

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

FORM 10-K

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the Fiscal Year Ended December 31, 2013

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

Commission File No. 001-35456

ALLISON TRANSMISSION HOLDINGS, INC.

(Exact Name of Registrant as Specified in Its Charter)

Delaware
(State of Incorporation)

26-0414014
(I.R.S. Employer
Identification Number)



One Allison Way
Indianapolis, IN 46222
(Address of Principal Executive Offices and Zip Code)

(317) 242-5000
(Registrant's Telephone Number, Including Area Code)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class
Common Stock, \$0.01 par value

Name of each exchange on which registered
New York Stock Exchange

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See definitions of "large accelerated filer," "accelerated filer," and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer Accelerated filer
Non-accelerated filer (Do not check if a smaller reporting company) Smaller reporting company

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes No

The aggregate market value of the voting and non-voting stock held by non-affiliates was approximately \$810.7 million as of June 30, 2013.

As of February 10, 2014, there were 183,740,543 shares of Common Stock and 1,185 shares of Non-voting Common Stock outstanding.

Documents Incorporated by Reference

Portions of the Registrant's definitive Proxy Statement for its 2014 annual meeting of stockholders will be incorporated by reference in Part III of this Annual Report on Form 10-K.

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Cautionary Note Regarding Forward-Looking Statements

This Annual Report on Form 10-K contains forward-looking statements. The words “believe,” “expect,” “anticipate,” “intend,” “estimate” and other expressions that are predictions of or indicate future events and trends and that do not relate to historical matters identify forward-looking statements. You should not place undue reliance on these forward-looking statements. Although forward-looking statements reflect management’s good faith beliefs, reliance should not be placed on forward-looking statements because they involve known and unknown risks, uncertainties and other factors, which may cause the actual results, performance or achievements to differ materially from anticipated future results, performance or achievements expressed or implied by such forward-looking statements. Forward-looking statements speak only as of the date the statements are made. We undertake no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events, changed circumstances or otherwise. These forward-looking statements are subject to numerous risks and uncertainties, including, but not limited to: risks related to our substantial indebtedness; our participation in markets that are competitive; general economic and industry conditions; our ability to prepare for, respond to and successfully achieve our objectives relating to technological and market developments and changing customer needs; the failure of markets outside North America to increase adoption of fully-automatic transmissions; the discovery of defects in our products, resulting in delays in new model launches, recall campaigns and/or increased warranty costs and reduction in future sales or damage to our brand and reputation; the concentration of our net sales in our top five customers and the loss of any one of these; risks associated with our international operations; brand and reputational risks; our intention to pay dividends; and labor strikes, work stoppages or similar labor disputes, which could significantly disrupt our operations or those of our principal customers.

Important factors that could cause actual results to differ materially from our expectations are disclosed under Part I, Item 1A, “Risk Factors” in this Annual Report on Form 10-K. All written and oral forward-looking statements attributable to us, or persons acting on our behalf, are expressly qualified in their entirety by the cautionary statements as well as other cautionary statements that are made from time to time in our other Securities and Exchange Commission filings or public communications. You should evaluate all forward-looking statements made in this Annual Report on Form 10-K in the context of these risks and uncertainties.

Certain Trademarks

This Annual Report on Form 10-K includes trademarks, such as Allison Transmission and ReTran, which are protected under applicable intellectual property laws and are our property and/or the property of our subsidiaries. This report also contains trademarks, service marks, copyrights and trade names of other companies, which are the property of their respective owners. We do not intend our use or display of other companies’ trademarks, service marks, copyrights or trade names to imply a relationship with, or endorsement or sponsorship of us by, any other companies. Solely for convenience, our trademarks and tradenames referred to in this report may appear without the ® or ™ symbols, but such references are not intended to indicate, in any way, that we will not assert, to the fullest extent under applicable law, our rights or the right of the applicable licensor to these trademarks and tradenames.

PART I.

ITEM 1. Business

Overview

Allison Transmission Holdings, Inc. and its subsidiaries (“Allison,” the “Company” or “we”) design and manufacture commercial and defense fully-automatic transmissions.

The business was founded in 1915 and has been headquartered in Indianapolis, Indiana since inception. We have approximately 2,700 employees and 13 different transmission product lines. Although approximately 77% percent of revenues are generated in North America, we have a global presence by serving customers in Europe, Asia, South America and Africa. We serve customers through an independent network of approximately 1,400 independent distributor and dealer locations worldwide.

History

We were formerly known as Allison Transmission (the “Predecessor”), an operating unit of General Motors Corporation, which, in the course of its bankruptcy proceeding was renamed Motors Liquidation Company (“Old GM”). On August 7, 2007, substantially all of the assets and liabilities of the Predecessor were acquired by us, under an Asset Purchase Agreement (the “Asset Purchase Agreement”) dated June 28, 2007 and entered into between Clutch Operating Company, Inc., a Delaware corporation owned by investment funds affiliated with The Carlyle Group (“Carlyle”) and Onex Corporation (“Onex” and together with Carlyle, the “Sponsors”), and Old GM, the direct parent of the Predecessor, pursuant to which we acquired certain equity interests of, and certain assets and liabilities held by, direct and indirect operating subsidiaries of Old GM (the “Acquisition Transaction”). After completion of the Acquisition Transaction, Clutch Holdings, Inc., changed its name to Allison Transmission Holdings, Inc. and Clutch Operating Company, Inc. changed its name to Allison Transmission, Inc. (“ATI”).

On July 10, 2009, General Motors Company (“GM”) emerged from bankruptcy. On August 3, 2009, we finalized an agreement with GM (the “Cure Agreement”) pursuant to which GM assumed certain contracts and agreements between us and Old GM, including among others, the Asset Purchase Agreement, certain intellectual property and software license agreements, lease agreements, engineering services agreements, proving grounds use agreements, an employee matters agreement, a contract manufacturing agreement and a hybrid co-branding agreement. GM also assumed certain other commercial contracts, arrangements and purchase orders with us in connection with conducting its business.

Our Business

We are the world's largest manufacturer of fully-automatic transmissions for medium- and heavy-duty commercial vehicles and medium- and heavy-tactical U.S. defense vehicles. Allison transmissions are used in a wide variety of applications, including on-highway trucks (distribution, refuse, construction, fire and emergency), buses (primarily school, transit and hybrid-transit), motorhomes, off-highway vehicles and equipment (primarily energy, mining and construction) and defense vehicles (wheeled and tracked). We estimate that globally, in 2013, we sold approximately 61% of all fully-automatic transmissions for medium- and heavy-duty on-highway commercial vehicle applications. We believe the Allison brand is one of the most recognized in our industry as a result of the performance, reliability and fuel efficiency of our transmissions and is associated with high quality, durability, vocational value, technological leadership and superior customer service. We believe our brand helps us maintain our leading market position and price our products commensurate with the value provided to the end user.

We introduced the world's first fully-automatic transmission for commercial vehicles over 60 years ago. Since that time, we have driven the trend in North America and Western Europe towards increasing automaticity by targeting a diverse range of commercial vehicle vocations. As compared to manual transmissions and automated manual transmissions ("AMTs"), we believe the superior performance attributes of our fully-automatic transmissions in vocations with a high degree of "start and stop" activity, as well as in urban environments, include lower maintenance costs, reduced vehicle downtime, ease of operation, increased safety and improved driver and passenger comfort. We believe our transmissions offer increased fuel efficiency and faster acceleration, resulting in lower operating costs and increased productivity when they are used in vehicles with duty cycles that require a high degree of "start and stop" activity. As a result of these attributes, our fully-automatic transmissions are the standard or exclusive transmission offered in the powertrain configuration of certain types of vehicles in North America, including school buses, fire and emergency vehicles, medium- and heavy-tactical U.S. defense vehicles and certain mining trucks. In applications where our transmission is offered as an alternative to a manual transmission or an AMT, such as distribution and refuse trucks, we believe end users frequently specify an "Allison" transmission when ordering a commercial vehicle, which can create pull-through demand for our products to our original equipment manufacturer ("OEM") customers. Our transmissions are also commonly used in various oil and natural gas drilling and extraction equipment where we believe our products' performance, reliability, equipment uptime and ease of operation are critical to end users.

Allison transmissions are optimized for the unique performance requirements of end users, which typically vary by vocation. Our products are highly engineered, requiring advanced manufacturing processes, and employ complex software algorithms for our transmission controls to maximize end user performance. We have developed over 100 different models that are used in more than 2,500 different vehicle configurations and are compatible with more than 500 combinations of engine brands, models and ratings (including diesel, gasoline, natural gas and other alternative fuels). In 2013, over 7,500 unique Allison-developed calibrations were used with our transmission control modules.

Our Industry

Commercial vehicles typically employ one of three transmission types: manual, AMT or fully-automatic. Manual transmissions are the most prevalent transmission type used in Class 8 tractors in North America and in medium- and heavy-duty commercial vehicles, generally, outside North America. Manual transmissions utilize a disconnect clutch causing power to be interrupted during each gear shift resulting in energy loss-related inefficiencies and less work being accomplished for a given amount of fuel consumed. In long-distance trucking, this power interruption is not a significant factor, as the manual transmission provides its highest degree of fuel economy during steady-state cruising. However, steady-state cruising is only one part of the duty cycle. When the duty cycle requires a high degree of "start and stop" activity or speed transients, as is common in many vocations as well as in urban environments, we believe manual transmissions result in reduced performance, lower fuel efficiency, lower average speed for a given amount of fuel consumed and inferior ride quality. Moreover, the clutches must be replaced regularly, resulting in increased maintenance expense and vehicle downtime. Manual transmissions also require a skilled driver to operate the disconnect clutch when launching the vehicle and shifting gears. AMTs are manual transmissions that feature automated operation of the disconnect clutch. Fully-automatic transmissions utilize technology that smoothly shifts gears instead of a disconnect clutch, thereby delivering uninterrupted power to the wheels during gear shifts and requiring minimal driver input. These transmissions deliver superior acceleration, higher productivity, increased fuel efficiency, reduced operating costs, less driveline shock and smoother shifting relative to both manual transmissions and AMTs in vocations with a high degree of "start and stop" activity, as well as in urban environments.

Fuel efficiency, reduction in fuel consumption and greenhouse gas emissions are important considerations for commercial vehicles everywhere and they tend to go together. We believe fuel efficiency, the measure of work performed for a given amount of fuel consumed, is the best method to assess fuel consumption of commercial vehicles as compared to the more commonly-used fuel economy metric of miles-per-gallon ("MPG"). MPG is inadequate for commercial vehicles because it does not encompass two key elements of efficiency that we believe are important to vehicle owners and operators: payload and transport time. For example, if more work can be completed or more payload hauled using the same amount of fuel and/or over a shorter period of time, then we believe the vehicle is more fuel efficient. Since fuel economy and its MPG metric only accounts for distance traveled and fuel consumed, ignoring time and work performed, it is therefore an inferior metric to fuel efficiency when it comes to assessing commercial vehicles. Markets, regulations, policies and technology continue to evaluate these topics.

Our Served Markets

We sell our transmissions globally for use in medium- and heavy-duty on-highway commercial vehicles (with limited exposure to the Class 8 line haul tractor market), off-highway vehicles and equipment and defense vehicles. In addition to the sale of transmissions, we also sell branded replacement parts, support equipment and other products necessary to service the installed base of vehicles utilizing our transmissions. The following table provides a summary of our business by end market, for the fiscal year ended December 31, 2013.

END MARKET	NORTH AMERICA			OUTSIDE NORTH AMERICA		DEFENSE	SERVICE PARTS, SUPPORT EQUIPMENT & OTHER
	ON-HIGHWAY	HYBRID TRANSIT BUS	OFF-HIGHWAY	ON-HIGHWAY	OFF-HIGHWAY		
2013 NET SALES (IN MILLIONS)	\$825	\$105	\$39	\$293	\$88	\$202	\$375
% OF TOTAL	43%	5%	2%	15%	5%	11%	19%
MARKET POSITION	<ul style="list-style-type: none"> #1 supplier of fully-automatic transmissions 	<ul style="list-style-type: none"> A leading supplier of hybrid-propulsion systems 	<ul style="list-style-type: none"> A leading independent supplier 	<ul style="list-style-type: none"> #1 supplier of fully-automatic transmissions in China and India Established presence in Western Europe 	<ul style="list-style-type: none"> A leading independent supplier 	<ul style="list-style-type: none"> #1 supplier of transmissions for the U.S. Department of Defense 	<ul style="list-style-type: none"> Approximately 1,400 dealers and distributors worldwide
VOCATIONS OR END USE	<ul style="list-style-type: none"> Distribution Emergency Refuse Construction Utility School, transit, shuttle and coach buses Motorhome Metro tractors 	<ul style="list-style-type: none"> Hybrid transit bus Hybrid shuttle bus 	<ul style="list-style-type: none"> Energy Mining Construction Specialty vehicle 	<ul style="list-style-type: none"> Distribution Emergency Refuse Construction Utility Transit, shuttle and coach buses 	<ul style="list-style-type: none"> Energy Mining Construction Specialty vehicle 	<ul style="list-style-type: none"> Medium- and heavy-tactical wheeled platforms Tracked combat platforms 	<ul style="list-style-type: none"> Parts Support equipment Remanufactured transmissions Fluids

Refer to NOTE 18, "Concentration of Risk" and NOTE 21, "Geographic Information" in Part II, Item 8, of this Annual Report on Form 10-K for additional information on our significant OEM customers and net sales by geographical areas.

North America

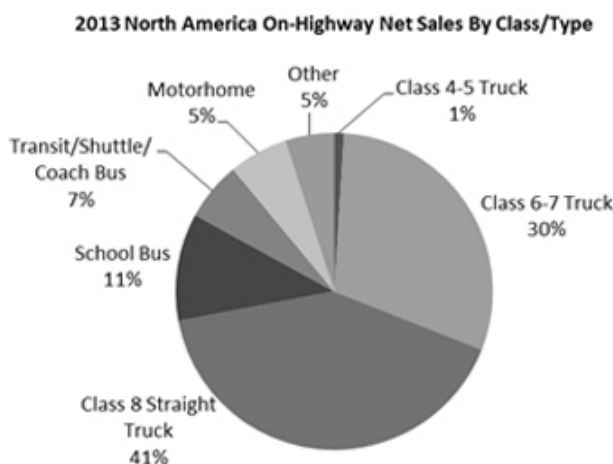
We are the largest manufacturer of fully-automatic transmissions for the on-highway medium- and heavy-duty commercial vehicle market in North America. Our core markets are those in which the value proposition of a fully-automatic transmission to end users is highest, typically where the vehicle is operated with a high degree of “start and stop” activity. We believe end user preferences for superior acceleration, higher productivity, increased fuel efficiency, reduced operating costs, less driveline shock and smoother shifting relative to both manual transmissions and AMTs results in a willingness to pay a meaningful premium for the attributes of our fully-automatic transmissions.

Our core North American on-highway market includes Class 4-5, Class 6-7 and Class 8 straight trucks, conventional transit, shuttle and coach buses, school buses and motorhomes. Class 8 trucks are subdivided into two markets: straight and tractor. Class 8 straight trucks are those with a unified body (e.g., refuse, construction, and dump trucks), while tractors have a vehicle chassis that is separable from the trailer they haul. We have been supplying transmissions for Class 8 straight trucks for decades, and it is a core end market for us. Today, we have very limited exposure to the Class 8 tractor market because lower priced manual transmissions generally meet the needs of these vehicles which are primarily used in long distance hauling. However, we have identified a portion of the Class 8 tractor market that we call metro tractors that are used in urban environments the majority of the time. During 2013, we began production of a new fully-automatic transmission (the “TC10”) that meets the unique duty cycle requirements of the Class 8 metro tractor market. Combining the startability and continuous, uninterrupted power qualities of a fully-automatic transmission with the cruising aspects of a manual transmission, the TC10 offers a new alternative to traditional manual and automated manual transmissions in tractor applications.

We sell substantially all of our transmissions in the North American on-highway market to OEMs, including Blue Bird, Daimler, Hino, Navistar, PACCAR, Spartan Motors, Volvo and many others. These OEMs, in turn, install our transmissions in vehicles in which our transmission is either the exclusive transmission available or is specifically requested by end users who are choosing between a manual transmission, an AMT or a fully-automatic transmission. OEM customers representing approximately 90% of our 2013 North American on-highway unit volume participate in long-term supply agreements (“LTSA”) with us. Generally, these supply agreements offer the OEM customer defined levels of mutual commitment with respect to growing Allison’s presence in the OEMs’ products and promotional efforts, pricing and sharing of commodity cost risk. The typical length of our customer agreements is five years. We often compete in this market against independent manufacturers of manual transmissions and AMTs, and, to a lesser extent, against OEMs in certain weight classes that use their own internally manufactured transmissions in certain vehicles.

On-Highway

The following is a summary of our on-highway net sales by vehicle class in North America.



Class 4-5 Trucks. Class 4-5 trucks are generally used in urban applications, including distribution, commercial lease and rental, as well as ambulance. The primary demand drivers impacting the purchase of these trucks are economic factors, such as gross domestic product growth, industrial activity and fuel costs, as well as government spending.

The largest Class 4-5 truck OEM is Ford Motor Company (“Ford”), which offers its own transmission in these vehicles. We are the exclusive transmission supplier to the Navistar Class 4-5 TerraStar truck specifically targeted at this end market. We also intend to pursue business with other OEMs, should they choose to participate in this end market.

Class 6-7 Trucks. Class 6-7 trucks are generally used in urban applications, including larger distribution, commercial lease and rental, ambulance, rescue and fire trucks. While demand drivers for the Class 6-7 truck end market are generally similar to those of the Class 4-5 truck end market, economic and pre-buy volatility are higher in these classes. The largest OEMs in this end market are Daimler, Ford, Hino, Navistar and PACCAR. Our overall penetration of the Class 6-7 truck transmission end market was approximately 68% in 2013. In this market, we compete primarily with manual transmissions, AMTs and Ford, who offers its own internally-produced transmissions in these vehicles.

Class 8 Straight Trucks. The most common vocations that utilize straight trucks are refuse, construction, fire and emergency. Primary drivers of Class 8 straight truck demand are general economic conditions and federal, state and municipal spending, which affect the purchases of many fire and emergency vehicles, refuse vehicles and construction vehicles, and the purchases of other private refuse fleet operators. The largest Class 8 straight truck OEMs are Daimler, Navistar, PACCAR and Volvo. In 2013, our overall penetration of the Class 8 straight truck transmission end market was approximately 56%. In this market, we compete primarily with manual transmissions and AMTs.

Buses. School buses have historically comprised approximately 76% of the North American bus market by volume. While school buses vary in weight and engine size, the majority of our transmissions are used in Class 6-7 buses. The primary demand driver for school bus purchases is municipal spending, specifically school district budgets and the capital expenditure plans of private fleet operators. School bus demand is also affected by the number of school-age children, which is driven by birth rates and immigration. The demand in this end market has generally been stable, although it does experience declines during economic downturns as municipalities defer purchases. The largest school bus OEMs are Blue Bird, Daimler and Navistar. Our overall penetration of the school bus end market was approximately 93% in 2013. In this market, we primarily compete against Ford, Voith GmbH (“Voith”) and ZF Friedrichshafen AG (“ZF”).

Motorhomes. We sell our transmissions for use primarily in larger motorhomes (Type A). Substantially all of the Type A motorhomes used fully-automatic transmissions in this market in 2013. The motorhome market was severely impacted by the recent economic downturn with volumes declining approximately 49% from 2007 to 2013. We expect motorhome demand will benefit from improving economic conditions, increased availability of credit and favorable demographic trends such as the aging of “baby boomers.” We typically sell to the chassis manufacturers that supply body manufacturers, such as Fleetwood RV, Thor Industries and Winnebago Industries. We had approximately a 52% share of the fully-automatic transmissions used in Type A diesel and gasoline powered motorhomes and substantially all of the share of the fully-automatic transmissions sold in Type A diesel powered motorhomes. In this market, we compete primarily with Ford, who uses its own internally-produced transmission in the lighter-duty motorhomes.

Hybrid Transit Buses

The interest in conserving fuel and reducing greenhouse gas emissions is driving demand for more fuel efficient commercial vehicles. As of December 31, 2013, we have delivered over 6,000 H 40/50 EP hybrid-propulsion transit bus systems globally to approximately 250 cities in many countries, making us one of the world’s largest suppliers of hybrid-propulsion transit bus systems. In North America, we sold approximately 75% of all units for the hybrid transit bus market in 2013. Our customers in this North American end market are typically city, state and federal governmental entities, which utilize government funds to subsidize a portion of the purchase price for the transit buses containing our hybrid-propulsion system. In this market, we compete primarily with BAE Systems plc (“BAE”).

Off-Highway

We have provided products used in vehicles and equipment that serve energy, mining and construction applications for over 50 years.

Off-highway energy applications include well-stimulation equipment, pumping equipment, and well-servicing rigs, which often use a fully-automatic transmission to propel the vehicle and drive auxiliary equipment. We maintain a leadership position in this end market, with nearly all producers of well stimulation and well servicing equipment utilizing our heavy-duty off-highway transmissions. Customers include Baker Hughes, Halliburton Company, Key Energy Services, National Oilwell Varco and Weatherford International. Traditional and new methods of drilling and extracting oil and natural gas from shale formations utilize highly engineered heavy-duty fully-automatic transmissions. Competition includes Caterpillar, Inc. (“Caterpillar”) and Twin Disc, Inc. (“Twin Disc”).

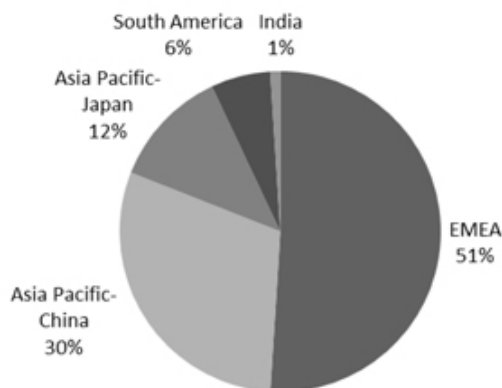
We also provide heavy-duty transmissions used in mining trucks, specialty vehicles and construction vehicles. Mining applications include trucks used to haul various commodities and other products, including rigid dump trucks, underground trucks and long-haul tractor trailer trucks with load capacities between 40 to 110 tons. Our major competitors in this end market are Caterpillar and Komatsu, Ltd. (“Komatsu”), both of which are vertically integrated and manufacture fully-automatic transmissions for their own vehicles. Specialty vehicles using our heavy-duty transmissions include airport rescue and firefighting vehicles and heavy-equipment transporters. Construction applications include articulated dump trucks with Caterpillar, Volvo and ZF as competitors.

Outside North America

On-Highway

We are the largest manufacturer of fully-automatic transmissions for the commercial vehicle market outside of North America. While the use of fully-automatic transmissions in the medium- and heavy-duty commercial vehicle market has been widely accepted in North America, the markets outside North America continue to be dominated by manual transmissions. In 2013, fully-automatic transmission-equipped medium- and heavy-duty commercial vehicles represented less than 5% of the vehicles in markets outside North America and are concentrated in certain vocational end markets. The following is a summary of our on-highway net sales by region outside of North America.

2013 Outside North America On-Highway Net Sales By Region



Europe, Middle East, Africa. The Europe, Middle East, Africa region (“EMEA”), is composed of several different markets, each of which differs significantly from our core North American market by the degree of market maturity, sophistication and acceptance of fully-automatic transmission technology. Within Europe, we serve Western European developed markets, as well as Russian and Eastern European emerging markets. Our key on-highway customers in EMEA are Daimler, Iveco, Scania, and Volvo, and we principally serve the refuse, emergency, bus, coach, distribution and utility markets. Fully-automatic transmission technology has approximately a 4% market share in European truck applications. We lead this end market with approximately a 76% share of the fully-automatic transmissions sold in 2013. Transit bus transmission sales are more evenly divided between manual and fully-automatic transmissions. However, we face strong competition from European-based bus-focused competitors in this market such as ZF and Voith. Europe is most notably characterized by a high level of vertical powertrain integration with OEMs such as Daimler, Scania and Volvo often utilizing their own manual transmissions and AMTs in their vehicles. These OEMs have not generally elected to manufacture fully-automatic commercial vehicle transmissions. We believe they have not done so due to the large initial investment required that would be amortized over a limited number of medium and heavy-duty commercial vehicles utilizing fully-automatic transmissions in their European market. The Middle East and Africa regions are generally characterized by very limited local vehicle production, with imports from the U.S., South America, Turkey, China, India and Europe accounting for the majority of vehicles.

Although we have low market penetration today, we supply transmissions to all major European OEMs and have targeted specific vocations in EMEA that we believe benefit from our value proposition. For example, we are the exclusive transmission in refuse chassis with Daimler and Dennis Eagle.

Asia-Pacific. Currently, manual transmissions are the predominant transmissions used in commercial vehicles in the Asia-Pacific region. We believe we are well-positioned to capitalize on the relatively low penetration rate of automatic transmission because of our transmissions’ established reputation for performance and durability, as well as our distributor and dealer network presence in most of the key Asia-Pacific markets, including China and Japan. In China, our largest growth market, we are the leading provider of fully-automatic commercial vehicle transmissions with a substantial installed base of over 54,000 Allison transmissions, including 37,000 units in transit buses, operated by over 100 different bus fleets in over 70 cities as of December 31, 2013. Our success in penetrating the domestic commercial vehicle OEMs combined with the value of our fully-automatic transmissions have generated a significant growth opportunity for us as Chinese OEMs have begun to export products. For example, we have grown significantly in commercial vehicles used to transport cargo at shipping ports (dock spotters) in China, increasing our share to virtually 100% today. In targeted truck vocations, we have increased the number of vehicle configurations in which our transmissions are available from 17 in 2008 to 106 in 2013.

The Japanese market for commercial vehicles is unique due to the country's compact size and its transportation congestion constraints. This generally encourages the use of smaller engines and commensurately lighter-duty commercial vehicles than those used in North America. Sales of fully-automatic transmissions for use in the domestic Japanese commercial vehicle market are expected to grow over the long-term as a result of the declining number of drivers in the active workforce who are trained to operate manual transmissions. Historically, the Japanese commercial vehicle fully-automatic transmission market has been served by local suppliers such as Aisin Seiki Co., Ltd. ("Aisin"), which supplies its products predominantly for vehicles in the Class 4-5 equivalent and lighter weight categories. We have built relationships with domestic Japanese vehicle OEMs, including Hino, Isuzu, Mitsubishi Fuso Truck and Bus Corporation ("Mitsubishi") and UD Truck Corporation ("UD"), and we are working to expand our commercial vehicle releases in the Japanese market. Japanese OEMs also export vehicles extensively to Australia, Thailand and Indonesia, and our opportunities are improving, particularly in the Australian refuse, construction and distribution markets representing the most significant near-term potential.

In addition to China and Japan, we actively participate in several other important Asia-Pacific countries. Currently, Taiwan, Indonesia, Malaysia and Thailand are primarily importers of commercial vehicles, with limited domestic manufacturing capabilities. Australia and South Korea have a few OEMs with domestic production capabilities for which we are a supplier, including Daewoo International Corporation, Hyundai Motor Company and Iveco. The distribution of our fully-automatic transmissions throughout the broader Asia-Pacific region helps to develop end user relationships.

Competition in the Asia-Pacific region includes fully-automatic transmissions from Aisin and JATCO for lighter-duty trucks, ZF and Voith for buses, as well as Shaanxi Fast Gear Co., Ltd. ("Fast Gear") for heavy-duty trucks. We also face competition from the captive OEM production of manual transmissions and AMTs from companies such as Hino, Isuzu, Mitsubishi and UD. Fast Gear also supplies manual transmissions sold for use in the Chinese truck market, while Qijiang focuses on the Chinese tour-coach manual transmission market.

India. Since 2007, we have had an established foothold in the India on-highway market, beginning with the low-floor transit bus. We have been successful in obtaining releases and generating sales in support of the desire of the Indian government to upgrade its public transportation infrastructure. Currently, Allison transmissions are operating in over 29 major cities across India.

In order for us to take a more direct and proactive role in the Indian market, we opened a regional office and customization center in 2009, a manufacturing facility in 2010 to produce components for our 3000 and 4000 products assembled in Hungary and an assembly operation for our 1000 and 2000 products in 2012 in India. We have also launched vehicle release programs with Indian OEMs in the truck, bus, defense and off-highway markets.

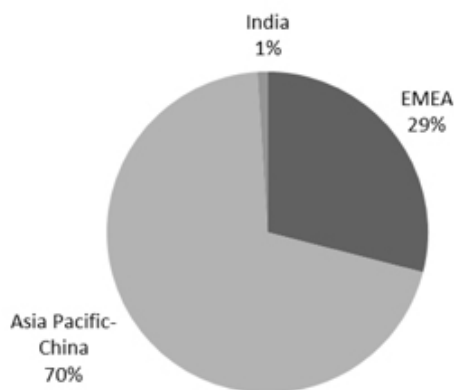
Currently, manual transmissions are the predominant transmissions used in commercial vehicles in India; however, we believe opportunity for growth exists as the various Indian vocational end markets seek to upgrade and modernize their equipment to global specifications. Competition primarily comes from the locally produced manual transmissions, as well as from ZF and Voith, which compete with us predominantly in the bus market with their fully-automatic transmissions. Allison is or is expected to be offered as an option by Indian bus and truck OEMs such as Ashok Leyland, Asia Motor Works, BEML, JCBL and Tata. India is also characterized by some OEMs with vertical powertrain integration often utilizing their own manual transmissions and AMTs in their vehicles.

South America. Currently, manual transmissions are the predominant transmissions used in commercial vehicles in South America. We continue to maintain a presence supporting OEMs such as Agrale S.A., Daimler, Encava C.A., Iveco, MAN, Randon Veículos and Scania. During 2013, the vast majority of the net sales of our products in the region were for use in buses, while on-highway trucks accounted for a small portion of our net sales; however, we are growing our truck release base. The South American region is characterized by a high level of OEM integration, with captive manual transmission and AMT manufacturing by OEMs such as Daimler, MAN and Scania.

Off-Highway

The following is a summary of our off-highway net sales by region outside of North America.

2013 Outside North America Off-Highway Net Sales By Region



Europe, Middle East, Africa. Our off-highway markets in EMEA are mining and construction. Our major off-highway competitors are Caterpillar and Komatsu, both of which are vertically integrated manufacturers of off-highway mining vehicles, including the specific fully-automatic transmission used in their mining trucks. A typical construction application is the articulated dump truck, with competition from Caterpillar, Volvo and ZF transmissions. We also supply mining OEMs such as Astra, Atlas Copco UK, Perlini Equipment, Sandvik AB and Terex.

Asia-Pacific. Off-highway markets in Asia are shared by the energy, mining and construction applications; all of which are expanding due to China's domestic need for materials, infrastructure and energy. Specifically, we increased our availability in heavy duty mining and construction dump trucks to 26 vehicle configurations and our transmissions are now offered by all major Chinese OEMs serving this market. Our off-highway transmissions are used by energy OEM customers including 4th Petroleum and Yantai Jereh Oilfield Services Group Co., mining and constructions OEMs such as North Hauler, Qinhuangdao Tolian Speciality Transporter Co. and Sany Group Co. Our primary competitors are Caterpillar, Danyang Winstar Auto Parts Co. and Twin Disc in energy applications, Caterpillar and Komatsu in mining applications, and Caterpillar, Volvo and ZF in construction applications.

Defense

We have a long-standing relationship with the U.S. Department of Defense (“DOD”), dating back to 1946, when we began developing our first-generation tank transmission. Today, we sell substantially all of the transmissions for medium- and heavy-tactical wheeled vehicle platforms including the Family of Medium Tactical Vehicles, Armored Security Vehicles, Heavy Expanded Mobility Tactical Trucks, Heavy Equipment Transporters, Palletized Loading Systems, M915 Series Trucks, Medium Tactical Vehicle Replacements and the Logistic Vehicle System Replacement. Additionally, we supplied transmissions for the majority of Mine-Resistant Ambush Protected (“MRAP”) Vehicles and the MRAP All-Terrain Vehicle and for all three potential manufacturers of the Joint Light Tactical Vehicles. Transmissions for our wheeled vehicle platforms are typically sold to OEMs, including BAE, Daimler, General Dynamics Land Systems, Oshkosh, Navistar and Textron Marine & Land Systems.

We are also the supplier on two of the three key tracked vehicle platforms, the Abrams tank and the M113 family of vehicles, which are sold directly to the DOD. Additionally, we sell parts kits to licensees for the production of transmissions for tracked vehicles manufactured outside North America. Overall, we have seen the demand for U.S. defense vehicles decrease as the funding for defense vehicles declines. Additionally, the DOD budgets and supplemental spending have allowed them to recapitalize and reset many vehicle systems, which has reduced the average age of the fleet and the need to procure new vehicles.

Globally, we face competition for the supply of our transmissions in tracked defense vehicles primarily from L-3 Communications Corporation, Renk AG and ZF. Additionally, we face limited competition from Caterpillar in certain defense wheeled vehicle platforms.

Service Parts, Support Equipment and Other






The aftermarket provides us with a relatively stable source of revenues as the installed base of vehicles and equipment utilizing our transmissions continues to grow. The need for replacement parts is driven by normal vehicle and equipment maintenance requirements and is not significantly impacted by economic cycles. Uninterrupted operation is generally critical for end users’ profitability. End users focus on getting the vehicle back in service, which in some cases results in the aftermarket purchase decision being less price-sensitive.





The sale of Allison-branded parts and fluids, remanufactured transmissions and support equipment is fundamental to our brand promise. We have assembled a worldwide network of approximately 1,400 distributor and dealer locations to sell, service and support our transmissions. As part of our brand strategy, our independent distributors and dealers are required to sell genuine Allison-branded parts. Within the aftermarket, we offer remanufactured transmissions under our ReTran brand, which provides a cost-effective alternative for transmission repairs and replacements. We also provide support equipment to our OEMs to assist in installing new Allison transmissions into vehicles, and, therefore, sales of support equipment are dependent upon sales of new transmissions.



Over the last few years, traditional aftermarket sales have been tempered by improvements in product quality and durability. While traditional aftermarket sales are expected to grow, support equipment sales fluctuate with the introduction of new transmissions. The competition for service parts and ReTran transmissions comes from a variety of smaller-scale companies sourcing non-genuine “will-fit” parts from unauthorized manufacturers. These “will-fit” parts often do not meet our product specifications, and therefore may be of lesser quality than genuine Allison parts.

Our Product Offerings

Allison transmissions are sold under the Allison Transmission brand name and remanufactured transmissions are sold under the ReTran brand name, which we believe are recognized throughout the industry for delivering the combination of quality, reliability, durability, vocational value and superior customer service. We have 13 transmission product lines with over 100 different product models. Allison transmissions are included in more than 2,500 vehicle configurations that are compatible with more than 500 combinations of engine brands, models and ratings worldwide.

<i>On-Highway Products</i>			
	Product	Applications	
1000/2000		<ul style="list-style-type: none"> • Distribution • Motorhome • Services 	<ul style="list-style-type: none"> • Refuse • School/Shuttle Bus • Wheeled Military • Specialty
3000		<ul style="list-style-type: none"> • Construction • Distribution • Fire and Emergency • Motorhome • Wheeled Military 	<ul style="list-style-type: none"> • Coach and Transit Bus • Refuse • Specialty • Services
4000		<ul style="list-style-type: none"> • Construction • Distribution • Fire and Emergency • Motorhome • Wheeled Military 	<ul style="list-style-type: none"> • Coach and Transit Bus • Refuse • Specialty • Articulated dump truck • Well Service Rigs
TC 10		<ul style="list-style-type: none"> • Metro Tractors 	
H 40/50 EP		<ul style="list-style-type: none"> • Hybrid Transit Bus 	

<i>Off-Highway Products</i>		
Product		Applications
5000	6000	<ul style="list-style-type: none"> Underground Mine Truck Rigid Dump Truck Well Service Rigs
		
8000	9000	<ul style="list-style-type: none"> Rigid Dump Truck Hydraulic fracturing equipment
		

<i>Tracked Defense Products</i>		
Product		Applications
X1100		<ul style="list-style-type: none"> Tracked Defense (Abrams)
X20C		<ul style="list-style-type: none"> Tracked Defense (M113 Family of Vehicles)

In addition to our current product offerings, we began production of a new product in 2013, the TC10, a Class 8 metro tractor fully-automatic transmission, and have other products under development, including the H 3000 and the H 4000 hybrid-propulsion systems designed for use in medium- and heavy-duty commercial trucks and buses.

The TC10 combines the startability and continuous, uninterrupted power qualities of a fully-automatic transmission with the cruising aspects of a manual transmission and offers a new alternative to traditional manual transmissions and AMTs in tractor applications. The TC10 maximizes drivetrain efficiency at higher cruise speeds to save operators time and operating costs, yet it is equally appropriate for city and suburban duty cycles. Developed for the Class 8 metro tractor market which represents approximately 30% of the Class 8 tractor market, we believe our new TC10 product is more fuel efficient than the incumbent manual transmissions and AMTs currently used in these vehicles, and is well suited to address end user demands in this market given the high “start and stop” frequency of the Class 8 metro tractor duty cycle.

In August 2009, our success with the hybrid-propulsion systems for transit buses helped us secure a \$62.8 million U.S. Department of Energy (“DOE”) cost-share grant award which is being used to develop increased U.S. manufacturing capacity for another family of hybrid-propulsion systems. The first of the new family, the H 3000, is a hybrid variant of our current 3000 product and is nearing validation completion. We plan for the start of production to coincide with market demand. The second of the new family, the H 4000, is a hybrid variant of our current 4000 product. We plan for the start of production to coincide with market demand. The objective for this family of hybrid-propulsion systems is to create an improvement in fuel economy of approximately 25% for a typical vehicle, dependent upon the vocation and duty cycle. The reduction in fuel consumption, while delivering the same productive work in the same amount of time, also reduces greenhouse gas emissions and other air pollutants from commercial trucks. The combustion of a lower quantity of fuel within the engine may also reduce the wear on the engine, and the hybrid regenerative braking captures and stores deceleration energy, thereby potentially reducing wear on the vehicle’s service brakes, helping reduce vehicle maintenance and service costs.

Product Development and Engineering

We maintain an industry leading product development and engineering capability dedicated to the design, development, refinement and support of our fully-automatic transmissions and hybrid-propulsion systems. Our product development and engineering staff are distinguished by their depth of analytical skills and industry experience and significantly contribute to our product performance. With decades of experience, knowledge and expertise in our markets, we believe we have the skills to create, evolve and apply products to a wide variety of uses under various vocations and operating conditions. Within the product development engineering process, insights gained in one area can be leveraged across our entire portfolio.

We believe our customers expect our products to provide unparalleled performance and value defined in various ways, including delivering maximum cargo in minimum time, using the least amount of fuel possible while employing the fewest vehicles possible and experiencing maximum vehicle uptime. In response to those needs and the evolving customer focus on fuel efficiency, we provide vehicle specification guidelines, superior transmission control software and mechanical components to optimize fuel economy while delivering desired vehicle performance. Further, we are developing new technology and products to improve fuel efficiency and fuel economy by allowing engines to operate more efficiently and at lower speeds to avoid consuming fuel without compromising performance. Building on our engineering capabilities, we pioneered hybrid propulsion in commercial vehicles and are developing new hybrid variants and alternative technologies for use in our global commercial vehicle markets.

In recent years, we have accelerated and increased our investment in research and development above our historical levels. Examples of our key innovations include the development of a fully-automatic hybrid-propulsion system for the medium- and heavy-duty commercial truck and bus markets and a twin countershaft, fully-automatic transmission for a portion of the Class 8 tractor truck market. From time to time, we acquire certain licenses to provide us with technology to complement our portfolio of products and product initiatives, such as our engineering development agreement with Torotrak plc (“Torotrak”) and our development agreement with Fallbrook Technologies, Inc. For the years ended December 31, 2013, 2012 and 2011, we have incurred \$97.1 million, \$115.1 million and \$116.4 million of engineering – research and development expense, respectively.

We maintain test tracks on our Indianapolis, Indiana campus and at our location in Szentgotthard, Hungary for vehicle drive, testing and calibration activities in addition to being a demonstration venue for customers. We also use test track facilities in New Carlisle, Indiana; Apache Junction, Arizona; and Sweden.

Sales and Marketing Organization

Our sales and marketing effort is organized along geographic and customer lines and is comprised of marketing, sales and service professionals, supported by application engineers worldwide. In North America, selling efforts in the on-highway end market, our largest end market, are organized by distributor area responsibility, OEM sales and national accounts, for our large end users. Outside North America, we manage our sales, marketing, service and application engineering professionals through regional areas of responsibility. These regional management teams distribute OEM service and application engineering resources globally. Since 2007, we have significantly expanded our sales and marketing teams and distribution relationships in emerging markets to capitalize on growth opportunities in these regions. We manage our defense products sales, marketing, service and application engineering through professionals based in Indianapolis, Indiana and Detroit, Michigan with extensive defense industry experience.

We have developed a marketing strategy to reach OEM customers as well as end users. We target our end users primarily through marketing activities by our sales staff, who directly call end users and attend local trade shows, targeting specific vocations globally and through our plant tour programs, where end users may test our products on the Indianapolis test track and our enhanced customer experience demonstration track at our Hungary facility. In 2013, we hosted approximately 1,200 OEM and end user representatives at these facilities.

While our marketing management uses the term “customer” interchangeably for OEMs and end users, the primary objective of our marketing strategy is to create demand for fully-automatic transmissions through:

- OEM promotion of our products and incorporation of fully-automatic transmissions in their commercial vehicle product offerings;
- Allison representative and/or Allison distributor contact with identified, major end users; and
- our network of independent dealers who contact other end users.

The process is interactive, as Allison representatives, Allison distributors and OEM dealers educate customers and respond to the specific applications, requirements and needs of numerous specialty markets.

Similarly, we work with customers, dealers and OEMs to educate, improve and simplify how they specify vehicles and vehicle systems in order to optimize vehicle performance and fuel consumption through an instructional initiative known as “Science to Sales.” Our field organization also works closely with distributors who, in turn, work with dealers to provide end users with education, parts, service and warranty support. The defense marketing group follows a defined plan that identifies country, vehicle and specific OEMs and then approaches the ultimate end user through a variety of channels.

Manufacturing

Our manufacturing strategy provides for distributed capability in manufacturing and assembly of our products for the global commercial vehicle market. Our primary manufacturing facilities, located in Indianapolis, Indiana, consist of approximately 2.3 million square feet of usable manufacturing space in six plants. We also have established customization and parts distribution in The Netherlands, Brazil, China, Hungary, India and Japan. We have further expanded our global manufacturing presence to provide access to low-cost manufacturing and a regional presence to support our emerging market growth strategy. Our facilities are designed and located globally to respond to customer orders within competitive lead times and to minimize tangible and intangible market entry costs, while taking full advantage of our global supply chain. In support of these initiatives, we opened a plant in Chennai, India in 2010 and a plant in Szentgotthard, Hungary in 2011. Our Chennai facility manufactures gear components for our global manufacturing operations and allows us to control the quality and durability of the gears, consistent with those produced in our U.S. facilities. Assembly of our 1000 and 2000 products at our Chennai facility commenced in 2012. Our Hungarian facility is equipped to customize the units it produces to meet unique customer demands. Our Chennai and Szentgotthard facilities also provide us with a meaningful level of manufacturing redundancy for our high volume on-highway transmission products.

Our day-to-day manufacturing operations are sustained through the fundamentals of the Allison Transmission Global Manufacturing System (“GMS”). This system supports five key principles to ensure the highest quality and reliable products for our customers: people involvement, standardization, built-in quality, short lead time, and continuous improvement. All on-highway products’ manufacturing plants embrace these concepts in total, while production areas of lower product volumes apply specific GMS concepts applicable to their operations. Each of these principles is supported by key elements that serve as criteria for process execution that ensure minimized waste within the production system.

Our high volume on-highway products are produced in multiple global locations while off-highway, hybrid-propulsion and defense tracked products are produced in Indianapolis. The type of facility employed in a given area depends on regional product demand and delivery time requirements. Assemble-to-order is achieved through lean manufacturing processes with short lead times intended to respond to customer line sets in less than 10 days. GMS supports product-focused factories, which include lean-configured manufacturing cells and efficiently designed assembly lines that align with a specific product. We believe a comprehensive quality system and a regimented system structured around Kanban fundamentals are the foundation for the system’s dependability. Each factory is structured with its own dedicated leadership team. We have extensive in-house machining capabilities, significant technical expertise and advanced processes for component manufacturing and total product assembly. Manufacturing operations consist of the vast majority of machining processes utilized in the conversion of cast iron, steel and aluminum products into transmission components, as well as the heat treating facilities that exist in four of our plants.

Approximately 80% of the part numbers that make up our transmissions are purchased from outside suppliers. Based on thorough on-going analyses of our own manufacturing competencies in the context of supply base capabilities, the proportion of purchased parts has increased in our most recent product designs. This has enabled our valuable operations resources to be focused on the most complex, competitively differentiating, value-adding machining and assembly process elements at optimally efficient levels of capital expenditure.

Suppliers and Raw Materials

During 2013, we purchased approximately \$700.0 million of direct materials and components from outside suppliers. The largest elements of our direct spending are aluminum and steel castings and forgings that are formed by our suppliers into our larger components and assemblies for use in our transmissions. However, our spending on aluminum and steel raw materials directly and indirectly through our purchase of these components constituted approximately 10% of our direct material and component costs in 2013. The balance of our direct and indirect materials and components costs are primarily composed of value-added services and conversion costs. Our supply contracts, along with an intensive supplier selection and performance monitoring process, have enabled us to establish and maintain close relationships with suppliers and have contributed to our overall operating efficiency and industry-leading quality.

Intellectual Property

Patents and other proprietary rights are important to the continued success of our business. We also rely upon trade secrets, know-how, continuing technological innovation and licensing opportunities to develop and maintain our competitive position. We protect our proprietary rights through a variety of methods, including confidentiality agreements and proprietary information agreements with suppliers, employees, consultants and others who may have access to proprietary information. We own 50 issued patents, and we have licensing arrangements with respect to more than 600 additional issued patents. We have more than 150 pending patent applications throughout the world that relate to aspects of the technology incorporated in many of our products.

In addition, in conjunction with the sale of Allison by Old GM, we acquired an irrevocable, royalty-free, worldwide license of more than 450 U.S. and foreign patents and patent applications, as well as certain unpatented technology and know-how, to manufacture, use and sell fully-automatic transmissions and certain hybrid-propulsion systems for use in vocational and defense vehicles and off-highway products. Such licenses are subject to certain limitations. See Part I, Item 1A, "Risk Factors" of this Annual Report on Form 10-K for a complete discussion of these risks and limitations. In addition, we acquired from Old GM an irrevocable, royalty-free, worldwide license under computer software programs that we use to run our business, including product design. Allison also acquired ownership of trademarks and copyrights relating to our business, subject in some cases to a non-exclusive license back to Old GM for use in connection with its existing six-speed A1000 transmission products, but only up to the termination of production of the A1000 transmission product by GM. GM has assumed Old GM's obligations under these agreements pursuant to the Cure Agreement, as discussed above.

Seasonality

Overall, the demand for our products is relatively consistent over the year. However, in typical market conditions, the North American truck market experiences a higher level of production in the first half of the year due to fewer holidays and the practice of plant shutdowns in July and December. However, this pattern has not always held in recent business cycles, particularly during and following an economic downturn. Working capital levels do not fluctuate significantly in the normal course for our business.

Employees

As of December 31, 2013, we had approximately 2,700 employees, with more than 90% of those employees in the U.S. Approximately 60% of our U.S. employees are represented by the International Union, United Automobile, Aerospace and Agricultural Implement Workers of America ("UAW") and are subject to a collective bargaining agreement. In November 2012, we entered into a new five year agreement with the UAW Local 933 that expires in November 2017. The multi-tiered wage and benefit structure from the prior agreement was retained and the parties agreed to additional changes, such as implementing a new retirement health care plan and eliminating the consumer price index based cost of living allowance that had been part of the prior agreement. As approximately 50% of our represented employees are currently retirement eligible, we anticipate a significant shift toward increasing the number of second tier employees over the coming years. There have been no strikes or work stoppages due to Allison-specific issues in over 30 years.

Environmental

We are subject to a variety of federal, state, local and foreign environmental laws and regulations, including those governing the discharge of pollutants into the air or water, the management and disposal of hazardous substances or wastes, and the cleanup of contaminated sites. Some of our operations require environmental permits and controls to prevent and reduce air and water pollution. These permits are subject to modification, renewal and revocation by issuing authorities. We believe we are in substantial compliance with all applicable material environmental laws and regulations in the U.S. Historically, our costs of achieving and maintaining compliance with environmental, health and safety requirements have not been material to our results.

In addition, increasing efforts globally to control emissions of carbon dioxide, methane and other greenhouse gases have the potential to impact our facilities, costs, products and customers. Pursuant to the Clean Air Act ("CAA"), the Environmental Protection Agency ("EPA") has taken action to control greenhouse gases from certain stationary and mobile sources. These actions include issuance of a greenhouse gas reporting rule applicable to specified stationary sources, as well as a rule requiring limits on greenhouse gas emissions for certain sources under the CAA New Source Review of Significant Deterioration and Title V Operating Permit programs. The U.S. Congress is also considering proposals to limit greenhouse gas emissions, and several states have taken steps, such as adoption of cap and trade programs or other regulatory systems, to address greenhouse gases. At the same time, opponents of greenhouse gas regulation have initiated litigation, as well as introduced legislation in Congress, to delay, limit or eliminate the EPA's, and possibly states', actions to regulate greenhouse gases. There have also been international efforts seeking legally binding reductions in emissions of greenhouse gases. These developments and further actions that may be taken in the U.S. and in other countries, states or provinces could affect our operations both positively and negatively (e.g., by affecting the demand for or suitability of some of our products). As described above, we believe increased regulation of greenhouse gases will increase demand for green technologies, including our hybrid technologies.

Also, under the Asset Purchase Agreement, Old GM agreed to indemnify us against certain environmental liabilities, including pre-acquisition offsite waste disposal from our facilities, former facilities associated with our business and any properties or facilities relating to our business that Old GM retained. GM, as successor to Old GM's obligations pursuant to the Cure Agreement, continues to perform remedial activities at our Indianapolis, Indiana manufacturing facilities relating to historical soil and groundwater contamination at the facilities. GM is performing such activities pursuant to a voluntary Corrective Action Agreement with the EPA and pursuant to the Asset Purchase Agreement retained responsibility for completing all remediation activities covered by the Corrective Action Agreement. Except to the extent specifically retained by GM, we would be responsible for environmental liabilities that may arise at any of our properties, including with respect to contamination that may have occurred at our properties prior to the Acquisition Transaction. Additionally, there can be no assurances that GM will comply with its indemnity obligations or with its remedial obligations at the Indianapolis, Indiana facility, or that future environmental remediation obligations will not have a material adverse impact on our results.

We also may be subject to liability under the Comprehensive Environmental Response, Compensation and Liability Act and similar state or foreign laws for contaminated properties that we currently own, lease or operate or that we or our predecessors have previously owned, leased or operated, and sites to which we or our predecessors sent hazardous substances. Such liability may be joint and several so that we may be liable for more than our share of contamination, and any such liability may be determined without regard to causation or knowledge of contamination. We or our predecessors have been named potentially responsible parties at contaminated sites from time to time. We do not anticipate our liabilities relating to contaminated sites will be material to our results.

Competition

We compete on the basis of product performance, quality, price, distribution capability and service in addition to other factors. We face competition from numerous manufacturers of manual transmissions, AMTs and fully-automatic transmissions for commercial vehicles. We also face competition from manufacturers in our international operations and from international manufacturers entering our domestic market. Furthermore, some of our customers are OEMs that manufacture transmissions for their own products. Despite their transmission manufacturing abilities, our existing OEM customers have chosen to purchase certain transmissions from us due to the quality, reliability and strong brand of our transmissions and in order to limit fixed costs, minimize production risks and maintain company focus on commercial vehicle design, production and marketing.

Corporate Information

Allison Transmission Holdings, Inc. was incorporated in Delaware on June 22, 2007. Our principal executive offices are located at One Allison Way, Indianapolis, IN 46222 and our telephone number is (317) 242-5000. Our internet address is www.allisontransmission.com. We file annual, quarterly and current reports, proxy statements and other documents with the United States Securities and Exchange Commission ("SEC"), under the Securities Exchange Act of 1934, as amended (the "Exchange Act"). These periodic and current reports and all amendments to those reports are available free of charge on the investor relations page of our website at <http://ir.allisontransmission.com>. We have included our website address throughout this filing as textual references only. The information contained on our website is not incorporated into this Annual Report on Form 10-K.

The public may read and copy any materials we file with the SEC at the SEC's Public Reference Room at 100 F Street, NE, Washington, DC 20549. The public may obtain information on the operation of the Public Reference Room by calling the SEC at 1-800-SEC-0330. The SEC also maintains an Internet site that contains reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC at <http://www.sec.gov>.

ITEM 1A. Risk Factors

The following is a cautionary discussion of risks, uncertainties and assumptions that we believe are significant to our business. In addition to the factors discussed elsewhere in this Annual Report on Form 10-K, the following are some of the important factors that, individually or in the aggregate, we believe could make our actual results differ materially from those described in any forward-looking statements. It is impossible to predict or identify all such factors and, as a result, you should not consider the following factors to be a complete discussion of risks, uncertainties and assumptions.

Our substantial indebtedness could adversely affect our financial health, restrict our activities and affect our ability to meet our obligations.

We have a significant amount of indebtedness. As of December 31, 2013, we had total indebtedness of \$2,678.3 million and we would have been able to borrow an additional \$410.0 million under the revolving portion of our credit facility, less \$15.0 million of letters of credit. As of December 31, 2013, we had no outstanding borrowings against the revolving credit facility. Of our total indebtedness at December 31, 2013, \$2,207.0 million consists of the term loans under ATI's credit facility, including \$423.5 million of indebtedness associated with ATI's Senior Secured Credit Facility Term B-2 Loan due 2017 ("Term B-2 Loan"), \$1,783.5 million of indebtedness associated with ATI's Senior Secured Credit Facility Term B-3 Loan due 2019 ("Term B-3 Loan" and together with the Term B-2 Loan, Term B-3 Loan and revolving credit facility defined as the "Senior Secured Credit Facility"). We also had indebtedness of \$471.3 million of ATI's 7.125% senior cash pay notes due May 2019 ("7.125% Senior Notes"). For a complete description of the terms of the Senior Secured Credit Facility and the 7.125% Senior Notes, please see Part II, Item 7, "Management's Discussion and Analysis of Financial Condition and Results of Operations – Recent Developments," "– Description of the Senior Secured Credit Facility" and "– Description of the Senior Notes."

Our substantial indebtedness could have important consequences. For example, it could:

- make it more difficult for us to satisfy our obligations under our indebtedness;
- require us to further dedicate a substantial portion of our cash flow from operations to payments of principal and interest on our indebtedness, thereby reducing the availability of our cash flow to fund acquisitions, working capital, capital expenditures, research and development efforts and other general corporate purposes;
- increase our vulnerability to and limit our flexibility in planning for, or reacting to, downturns or changes in our business and the industry in which we operate;
- restrict us from making strategic acquisitions or cause us to make non-strategic divestitures;
- expose us to the risk of increased interest rates as borrowings under the Senior Secured Credit Facility are subject to variable rates of interest;
- place us at a competitive disadvantage compared to our competitors that have less debt; and
- limit our ability to borrow additional funds.

In addition, the revolving portion of our Senior Secured Credit Facility contains a maximum total senior secured leverage ratio. The Senior Secured Credit Facility and the indenture governing the 7.125% Senior Notes also contain other negative and affirmative covenants that will limit our ability to engage in activities that may be in our long-term best interests. Our failure to comply with any of the covenants could result in an event of default which, if not cured or waived, could result in the acceleration of all of our indebtedness.

We participate in markets that are competitive, and our competitors' actions could have a material adverse effect on our business, results of operations and financial condition.

Our business operates in competitive markets. We compete against other global manufacturers on the basis of product performance, quality, price, distribution capability and service in addition to other factors. Actions by our competitors could lead to downward pressure on prices and/or a decline in our market share, either or both of which could adversely affect our results. We face competition from domestic manufacturers of manual transmissions, AMTs and fully-automatic transmissions for commercial vehicles. In particular, we could face competition from well-capitalized entrants into the transmission market, as well as from aggressive pricing tactics by other transmission manufacturers trying to gain market share. We also face competition from international manufacturers in our international markets and from international manufacturers entering our domestic market.

In addition, some of our customers or future customers are OEMs that manufacture or could in the future manufacture transmissions for their own products. Despite their transmission manufacturing abilities, our existing OEM customers have chosen to purchase certain transmissions from us due to customer demand, resulting from the quality of our transmission products and in order to reduce fixed costs, eliminate production risks and maintain company focus. However, we cannot be certain these customers will continue to purchase our products in the future. Increased levels of production insourcing by these customers could result from a number of factors, such as shifts in our customers' business strategies, acquisition by a customer of another transmission manufacturer, the inability of third-party suppliers to meet specifications and the emergence of low-cost production opportunities in foreign countries. As a result, these OEMs may use transmissions produced internally or by another manufacturer and no longer choose to purchase transmissions from us. A significant reduction in the level of external sourcing of transmission production by our OEM customers could significantly impact our net sales and cash flows and, accordingly, have a material adverse effect on our business, results of operations and financial condition.

Certain of our end users operate in highly cyclical industries, which can result in uncertainty and significantly impact the demand for our products, which could have a material adverse effect on our business, results of operations and financial condition.

Some of the markets in which we operate, including energy, mining, construction, distribution and motorhomes, exhibit a high degree of cyclicity. Decisions to purchase our transmissions are largely a result of the performance of these and other industries we serve. If demand for output in these industries decreases, the demand for our products will likely decrease. Demand in these industries is impacted by numerous factors including prices of commodities, rates of infrastructure spending, housing starts, real estate equity values, interest rates, consumer spending, fuel costs, energy demands, municipal spending and commercial construction, among others. Increases or decreases in these variables globally may significantly impact the demand for our products, which could have a material adverse effect on our business, results of operations and financial condition. If we are unable to accurately predict demand, we may be unable to meet our customers' needs, resulting in the loss of potential sales, or we may manufacture excess products, resulting in increased inventories and overcapacity in our production facilities, increasing our unit production cost and decreasing our operating margins.

Our long-term growth prospects and results of operations may be impaired if the rate of adoption of fully-automatic transmissions in commercial vehicles outside North America does not increase.

Our long-term growth strategy depends in part on an increased rate of automaticity outside North America. As part of that strategy, we have established manufacturing facilities in India and Hungary. We have also dedicated significant human resources to serve markets where we anticipate increased adoption of automaticity, including China, India, Brazil and Russia. However, manual transmissions remain the market leader outside North America and there can be no assurance that adoption of automatic transmissions will increase. Factors potentially impacting adoption of automatic transmissions outside of North America may include the large existing installed base of manual transmissions, customer preferences for manual transmissions, commercial vehicle OEM integration into manual transmission and AMT manufacturing, and failure to further develop the Allison brand. If the rate of adoption of fully-automatic transmissions does not increase as we have anticipated, our long-term growth prospects and results of operations may be impaired.

Our sales are concentrated among our top five OEM customers and the loss or consolidation of any one of these customers or the discontinuation of particular vehicle models for which we are a significant supplier could reduce our net sales and have a materially adverse effect on our results of operations.

We have in the past and may in the future derive a significant portion of our net sales from a relatively limited number of OEM customers. For the years ended December 31, 2013, 2012 and 2011, our top five customers accounted for approximately 48%, 45% and 38% of our net sales, respectively. Our top three customers, Daimler, Navistar and Oshkosh, accounted for approximately 17%, 10% and 8%, respectively, of our net sales during 2013. The commercial vehicle industry, including our customers and suppliers, continues to experience volatility and uncertainty. The loss of, or consolidation of any one of these customers, or a significant decrease in business from, one or more of these customers could harm our business. In addition, the discontinuation of particular vehicle models for which we are a significant supplier could reduce our net sales and have a material adverse effect on our results of operations.

Sales of our hybrid-propulsion systems have been, and may continue to be, negatively impacted by governmental entities electing not to subsidize the purchase of such products by end users, and other external factors.

The sales of our hybrid-propulsion systems for use in transit buses have been, and may continue to be, negatively impacted by governmental entities electing not to subsidize the purchase of such products by end users. In 2013, we derived approximately 5% of our net sales from the sale of hybrid-propulsion systems for use in transit buses to city, state and federal governmental end users. Such end users may be eligible to receive certain subsidies as a result of their purchase of vehicles using hybrid-propulsion systems. For example, the Federal Transit Authority and the DOE provide funds for end users to pursue alternative fuel propulsion systems. While we do not directly receive these subsidies, if any of the subsidizing entities elect to curtail such subsidies to end users for any reason including governmental budget reductions and related fiscal matters, failure of our hybrid technology to qualify for such subsidies or redundancy by alternative technologies created by our competitors, our sales from our hybrid-propulsion systems may be negatively impacted. In addition, other external factors, including diesel and natural gas fuel price trends, emissions and on-board diagnostics regulatory requirements, availability of compatible engine calibrations from engine manufacturers and alternative emerging green technologies, may negatively impact sales of our hybrid-propulsion systems. For the years ended December 31, 2013, 2012 and 2011, we experienced decreases in revenue generated from hybrid-propulsion systems for use in transit buses of 9%, 14% and 14%, respectively.

A majority of our sales to the defense end market are to U.S. government entities, and the loss of a significant number of our contracts or declines would have a material adverse effect on our results of operations and financial condition.

Our net sales to the defense end market are predominantly derived from contracts (revenue arrangements) with agencies of, and prime system contractors to, the U.S. government. The loss of all or a substantial portion of our net sales to the U.S. government would have a material adverse effect on our results of operations and financial condition. Approximately 11%, or \$202.0 million, of our net sales for the year ended December 31, 2013 were made directly or indirectly to U.S. government agencies, including the DOD.

A significant portion of our total net sales are for products and services under contracts with various agencies and procurement offices of the DOD or with prime contractors to the DOD. Although these various agencies, procurement offices and prime contractors are subject to common budgetary pressures and other factors, our customers exercise independent purchasing decisions. Because of this concentration of contracts, if a significant number of our DOD contracts and subcontracts are simultaneously delayed or cancelled for budgetary, performance or other reasons, it would have a material adverse effect on our results of operations and financial condition.

Future reductions or changes in U.S. government spending could have a material adverse effect on our results of operations and financial condition.

Sales in our defense end market have been, and we expect will continue to be, negatively impacted by declining DOD spending on wheeled and tracked vehicles. Moreover, as U.S. involvement in Afghanistan continues to diminish, the demand for our products may decline significantly, which could have a material adverse effect on our results of operations and financial condition. In particular, significant volume reductions in one of our Indianapolis plants, which primarily produce our U.S. defense tracked products, may increase operating unit costs, which directly impacts our competitive advantage and would materially adversely affect our business, results of operations and financial condition.

In addition to declines in agency budgets, our future financial results may be adversely affected by:

- curtailment of the U.S. government's use of technology or other services and product providers, including curtailment due to government budget reductions, future government shutdowns and related fiscal matters;
- developments in Afghanistan, or other geopolitical developments that affect demand for our products and services; and
- technological developments that impact purchasing decisions or our competitive position.

Continued volatility in and disruption to the global economic environment may have a material adverse effect on our business, results of operations and financial condition.

The commercial vehicle industry as a whole has been more adversely affected by volatile economic conditions than many other industries, as the purchase or replacement of commercial vehicles, which are durable items, can be deferred for many reasons, including reduced spending by end users. Furthermore, financial instability or bankruptcy at any of our suppliers or customers could disrupt our ability to manufacture our products and impair our ability to collect receivables, any or all of which may have a material adverse effect on our business, results of operations and financial condition.

Any events that impact our brand name, including if the products we manufacture or distribute are found to be defective, could have an adverse effect on our reputation, cause us to incur significant costs and negatively impact our business, results of operations and financial condition.

We face exposure to product liability claims in the event that the use of our products has, or is alleged to have, resulted in injury, death or other adverse effects. We currently maintain product liability insurance coverage, but we cannot be assured that we will be able to obtain such insurance on acceptable terms in the future, if at all, or that any such insurance will provide adequate coverage against potential claims. Product liability claims can be expensive to defend and can divert the attention of management and other personnel for long periods of time, regardless of the ultimate outcome. An unsuccessful product liability defense could have a material adverse effect on our business, results of operation, financial condition or prospects. If one of our products is determined to be defective, we may face substantial warranty costs and may be responsible for significant costs associated with a product recall or a redesign. We have had defect and warranty issues associated with certain of our products in the past, such as our H 40/50 EP hybrid-propulsion transit bus system, where certain units were falling short of their expected service life and our Predecessor decided to cover repair and replacement for an extended period. See NOTE 9 of Notes to Consolidated Financial Statements included in Part II, Item 8 of this Annual Report on Form 10-K for additional details regarding this warranty issue. We cannot give assurance similar product defects will not occur in the future.

Furthermore, our business depends on the strong brand reputation we have developed. In addition to the risk of defective products we face with our new product installations, we also face significant risks in our efforts to penetrate new markets, where we have limited brand recognition. We also rely on our reputation with end users of our transmissions to specify our transmissions when purchasing new vehicles from our OEM customers. In the event we are not able to maintain or enhance our brand in these new markets or our reputation is damaged in our existing markets as a result of product defects or recalls, we may face difficulty in maintaining our pricing positions with respect to some of our products or experience reduced demand for our products, which could negatively impact our business, results of operations and financial condition.

We may not be successful in introducing our new products and responding to customer needs.

During 2013, we began production of the TC10 and currently have additional new products under development. The development of new products is difficult and the timetable for commercial release is uncertain, and we may not be successful in introducing our new products and responding to customer needs. In addition, it often takes significant time, in some cases multiple fleet buy cycles, before customers gain experience with new products and those new products become widely-accepted by the market. If we do not adequately anticipate the changing needs of our customers by developing and introducing new and effective products on a timely basis, our competitive position and prospects could be harmed. If our competitors are able to respond to changing market demands and adopt new technologies more quickly than we do, demand for our products could decline, our competitive position could be harmed, and we will not be able to recoup a return on our development investments. Moreover, changing customer demands as well as evolving safety and environmental standards could require us to adapt our products to address such changes. As a result, in the future we may experience delays in the introduction of some or all of our new products or modifications or enhancements of existing products. Furthermore, there may be production delays due to unanticipated technological setbacks, which may, in turn, delay the release of new products to our end users. If we experience significant delays in production, our net sales and results of operations may be materially adversely affected.

Our success depends on continued research and development efforts, the outcome of which is uncertain.

Our success depends on our ability to improve the efficiency and performance of our transmissions, and we invest significant resources in research and development in order to do so. Nevertheless, the research and development process is time-consuming and costly, and offers uncertain results. We may not be able through our research and development efforts to keep pace with improvements in transmission-related technology of our competitors, and licenses for technologies that would enable us to keep pace with our competitors may not be available on commercially reasonable terms if at all. Finally, our research and development efforts, and generally our ability to introduce improved products in the marketplace, may be constrained by the patents and other intellectual property rights of competitors and others.

Our international operations, in particular our emerging markets, are subject to various risks which could have a material adverse effect on our business, results of operations and financial condition.

Our business is subject to certain risks associated with doing business internationally, particularly in emerging markets. Outside-North America net sales represented approximately 23% of our net sales for 2013. Most of our operations are in the U.S., but we also have a manufacturing and customization facility in India, a manufacturing and customization facility in Hungary with a services agreement with Opel Szentgotthard Automotive Manufacturing Ltd., formerly GM-PTH, and customization capability in Brazil, The Netherlands, China and Japan. Further, we intend to continue to pursue growth opportunities for our business in a variety of business environments outside the U.S., which could exacerbate the risks set forth below. Our international operations are subject to, without limitation, the following risks:

- the burden of complying with multiple and possibly conflicting laws and any unexpected changes in regulatory requirements;
- foreign currency exchange controls, import and export restrictions and tariffs, including restrictions promulgated by the Office of Foreign Assets Control of the U.S. Department of the Treasury, and other trade protection regulations and measures;
- political risks, including risks of loss due to civil disturbances, acts of terrorism, acts of war, guerilla activities and insurrection;
- unstable economic, financial and market conditions and increased expenses as a result of inflation, or higher interest rates;
- difficulties in enforcement of third-party contractual obligations and intellectual property rights and collecting receivables through foreign legal systems;
- difficulty in staffing and managing international operations and the application of foreign labor regulations;
- differing local product preferences and product requirements;
- fluctuations in currency exchange rates to the extent that our assets or liabilities are denominated in a currency other than the functional currency of the country where we operate;
- potentially adverse tax consequences from changes in tax laws, requirements relating to withholding taxes on remittances and other payments by subsidiaries and restrictions on our ability to repatriate dividends from our subsidiaries; and
- exposure to liabilities under anti-corruption and anti-money laundering laws, including the U.S. Foreign Corrupt Practices Act (“FCPA”) and similar laws and regulations in other jurisdictions.

Any one of these factors could materially adversely affect our sales of products or services to international customers or harm our reputation, which could have a material adverse effect on our business, results of operations and financial condition.

Our international operations require us to comply with anti-corruption laws and regulations of the U.S. government and various international jurisdictions.

Doing business on a worldwide basis requires us and our subsidiaries to comply with the laws and regulations of the U.S. government and various international jurisdictions, and our failure to comply with these rules and regulations may expose us to liabilities. These laws and regulations may apply to companies, individual directors, officers, employees and agents, and may restrict our operations, trade practices investment decisions and partnering activities. In particular, our international operations are subject to U.S. and foreign anti-corruption laws and regulations, such as the FCPA. The FCPA prohibits U.S. companies and their officers, directors, employees and agents acting on their behalf from corruptly offering, promising, authorizing or providing anything of value to foreign officials for the purposes of influencing official decisions or obtaining or retaining business or otherwise obtaining favorable treatment. The FCPA also requires companies to make and keep books, records and accounts that accurately and fairly reflect transactions and dispositions of assets and to maintain a system of adequate internal accounting controls. As part of our business, we deal with state-owned business enterprises, the employees and representatives of which may be considered foreign officials for purposes of the FCPA. In addition, some of the international locations in which we operate lack a developed legal system and have elevated levels of corruption. As a result of the above activities, we are exposed to the risk of violating anti-corruption laws. Violations of these legal requirements are punishable by criminal fines and imprisonment, civil penalties, disgorgement of profits, injunctions, debarment from government contracts as well as other remedial measures. We have established policies and procedures designed to assist us and our personnel in complying with applicable U.S. and international laws and regulations. However, our employees, subcontractors and agents could take actions that violate these requirements, which could adversely affect our reputation, business, financial condition and results of operations.

Economic volatility could adversely affect our ability and the ability of our customers and suppliers to obtain credit.

In a volatile economic environment, some of our customers and suppliers may experience serious cash flow problems and, thus, may find it difficult to obtain financing, if financing is available at all. As a result, our customers' need for and ability to purchase our products or services may decrease, and our suppliers may increase their prices, reduce their output or change their terms of sale. Any inability of customers to pay us for our products and services, or any demands by suppliers for different payment terms, may materially and adversely affect our results of operations and financial condition. Furthermore, our suppliers may not be successful in generating sufficient sales or securing alternate financing arrangements, and therefore may no longer be able to supply goods and services to us. In that event, we would need to find alternate sources for these goods and services, and there is no assurance we would be able to find such alternate sources on favorable terms, if at all. Any such disruption in our supply chain could adversely affect our ability to manufacture and deliver our products on a timely basis, and thereby affect our results of operations.

Labor unrest could have a material adverse effect on our business, results of operations and financial condition.

As of December 31, 2013, approximately 60% of our U.S. employees, representing over 50% of our total employees, were represented by the UAW and are subject to a collective bargaining agreement. In November 2012, we reached an agreement on a new five-year collective bargaining agreement with the UAW Local 933, which is effective through November 2017.

In addition to our unionized work force, many of our direct and indirect customers and vendors have unionized work forces. Strikes, work stoppages or slowdowns experienced by these customers or vendors or their other suppliers could result in slowdowns or closings of assembly plants that use our products or supply materials for use in the production of our products. Organizations responsible for shipping our products may also be impacted by strikes. Any interruption in the delivery of our products could reduce demand for our products and could have a material adverse effect on us.

In general, we consider our labor relations with all of our employees to be good. However, in the future we may be subject to labor unrest. The inability to reach a new agreement could delay or disrupt our operations in the affected regions, including the acquisition of raw materials and components, the manufacture, sales and distribution of products and the provision of services. If strikes, work stoppages or lock-outs at our facilities or at the facilities of our vendors or customers occur or continue for a long period of time, our business, results of operations and financial condition may be materially adversely affected.

In the event of a catastrophic loss of one of our key manufacturing facilities, our business would be adversely affected.

While we manufacture our products in several facilities and maintain insurance covering our facilities, including business interruption insurance, a catastrophic loss of the use of all or a portion of one of our manufacturing facilities due to accident, labor issues, weather conditions, acts of war, political unrest, terrorist activity, natural disaster or otherwise, whether short- or long-term, would have a material adverse effect on our business, results of operations and financial condition. Our most significant concentration of manufacturing is around our corporate headquarters in Indianapolis, Indiana where we produce approximately 90% of our transmissions. In addition to our Indianapolis manufacturing facilities, we currently operate manufacturing facilities in both Szentgotthard, Hungary and Chennai, India. However, those facilities are smaller and newer than the Indianapolis facilities. In the event of a disruption at the Indianapolis facilities, they may not be adequately equipped to operate at a level sufficient to compensate for the volume of production at the Indianapolis facility due to their size and the fact that they have not yet been tested for such significant increases in production volume.

Increases in cost, disruption of supply or shortage of raw materials or components used in our products could harm our business and profitability.

Our products contain various raw materials, including corrosion-resistant steel, non-ferrous metals such as aluminum and nickel, and precious metals such as platinum and palladium. We use raw materials directly in manufacturing and in transmission components that we purchase from our suppliers. We generally purchase components with significant raw material content on the open market. The prices for these raw materials fluctuate depending on market conditions. In recent years, we have experienced significant volatility in the cost of raw materials such as steel, aluminum and nickel, as well as in freight charges, and such volatility in the prices of these commodities could increase the cost of manufacturing our products. We may not be able to pass on these costs to our customers, and this could have a material adverse effect on our business, results of operations and financial condition. Even in the event that increased costs can be passed through to customers, our gross margin percentages would decline. Additionally, our suppliers are also subject to fluctuations in the prices of raw materials and may attempt to pass all or a portion of such increases on to us. In the event they are successful in doing so, our margins would decline.

In 2013, approximately 75% of our total spending on components was sourced from approximately 40 suppliers. All of the suppliers from which we purchase materials and components used in our business are fully validated suppliers, meaning the suppliers' manufacturing processes and inputs have been validated under a production part approval process ("PPAP"). Furthermore, there are only a limited number of suppliers for certain of the materials used in our business, such as corrosion-resistant steel. As a result, our business is subject to the risk of additional price fluctuations and periodic delays in the delivery of our materials or components if supplies from a validated supplier are interrupted and a new supplier must be validated or materials and components must be purchased from a supplier without a completed PPAP. Any such price fluctuations or delays, if significant, could harm our profitability or operations. In addition, the loss of a supplier could result in significant material cost increases or reduce our production capacity. We also cannot guarantee we will be able to maintain favorable arrangements and relationships with these suppliers. An increase in the cost or a sustained interruption in the supply or shortage of some of these raw materials or components that may be caused by a deterioration of our relationships with suppliers or by events such as natural disasters, power outages, labor strikes, or the like could negatively impact our business, results of operations and financial condition. Although we have agreements with many of our customers that we will pass such price increases through to them, such contracts may be cancelled by our customers and/or we may not be able to recoup the costs of such price increases. Additionally, if we are unable to continue to purchase our required quantities of raw materials on commercially reasonable terms, or at all, if we are unable to maintain or enter into purchasing contracts for commodities, or if delivery of materials from suppliers is delayed or non-conforming, our operations could be disrupted or our profitability could be adversely impacted.

Our business and financial results may be adversely affected by government contracting risks.

We are subject to various laws and regulations applicable to parties doing business with the U.S. government, including laws and regulations governing performance of U.S. government contracts, the use and treatment of U.S. government furnished property and the nature of materials used in our products. We may be unilaterally suspended or barred from conducting business with the U.S. government, or become subject to fines or other sanctions if we are found to have violated such laws or regulations. As a result of the need to comply with these laws and regulations, we are subject to increased risks of governmental investigations, civil fraud actions, criminal prosecutions, whistleblower law suits and other enforcement actions. The laws and regulations to which we are subject include, but are not limited to, Export Administration Regulations, Federal Acquisition Regulation, International Traffic in Arms Regulations, Foreign Assets Control documentation and regulations from the Bureau of Alcohol, Tobacco and Firearms and the FCPA.

U.S. government contracts are subject to modification, curtailment or termination by the U.S. government without prior written notice, either for convenience or for default as a result of our failure to perform under the applicable contract. If terminated by the U.S. government as a result of our default, we could be liable for additional costs the U.S. government incurs in acquiring undelivered goods or services from another source and any other damages it suffers. Additionally, we cannot assign prime U.S. government contracts without the prior consent of the U.S. government contracting officer, and we are required to register with the Central Contractor Registration Database. Furthermore, the U.S. government periodically audits our governmental contract costs, which could result in fines, penalties or adjustment of costs and prices under the contracts.

We are subject to the requirements of the National Industrial Security Program Operating Manual for our facility security clearance, which is a prerequisite for our ability to perform on classified contracts for the U.S. government.

Certain contracts with the various departments and agencies of the U.S. government, including the DOD, require that our offices be issued facility security clearances under the National Industrial Security Program. The National Industrial Security Program requires that a corporation maintaining a facility security clearance be effectively insulated from foreign ownership, control or influence (“FOCI”). Because one of our principal stockholders is a Canadian entity, we have agreed to, and have implemented, a Security Control Agreement with the Defense Security Service (“DSS”), as a suitable FOCI mitigation arrangement under the National Industrial Security Program Operating Manual. A FOCI arrangement is necessary for us to continue to maintain the requisite security clearances to complete performance under these contracts. Failure to reach and/or maintain an appropriate agreement with DSS regarding the appropriate FOCI mitigation arrangement could result in invalidation or termination of the security clearances, which in turn would mean that we would not be able to enter into future contracts with the U.S. government requiring facility security clearances, and may result in the loss of our ability to complete certain of our existing contracts with the U.S. government.

Our brand and reputation are dependent on the continued participation and level of service of our numerous independent distributors and dealers.

We work with a network of approximately 1,400 independent distributors and dealers that provide post-sale service and parts and support equipment. Because we depend on the pull-through demand generated by end users for our products, any actions by the independent distributors or dealers, which are not in our control, may harm our reputation and damage the brand loyalty among our customer base. In the event that we are not able to maintain our brand reputation because of the actions of our independent distributors and dealers, we may face difficulty in maintaining our pricing positions with respect to some of our products or have reduced demand for our products, which could negatively impact our business, results of operations and financial condition. In addition, if a significant number of independent dealers were to terminate their contracts, it could adversely impact our business, results of operations and financial condition.

Many of the key patents and unpatented technology we use in our business are licensed to us, not owned by us, and our ability to use and enforce such patents and technology is restricted by the terms of the license.

Protecting our intellectual property rights is critical to our ability to compete and succeed as a company. In connection with the Acquisition Transaction, under the patent and technology license agreement (the “Patent and Technology License Agreement”), which was assumed by GM pursuant to the Cure Agreement, we were granted an irrevocable, perpetual, royalty-free, worldwide license under a large number of U.S. and foreign patents and patent applications, as well as certain unpatented technology and know-how, to design, develop, manufacture, use and sell fully-automatic transmissions and H 40/50 EP hybrid-propulsion transit bus systems for use in certain vocational vehicles, defense vehicles and off-road products. With respect to the bulk of the intellectual property licensed to us under such license agreement, our license is exclusive with respect to the design, development, manufacture, use and sale of fully-automatic transmissions and H 40/50 EP hybrid-propulsion transit bus systems in vocational vehicles above certain weight rating thresholds, certain defense vehicles and certain off-road products. It is non-exclusive with respect to certain other products that are within the scope of the licensed patents or to which the licensed technology can be applied. We consider the patents and technology licensed under such license agreement, as a whole, to be critical to preserving our competitive position in the market. However, GM continues to own such patents and technology, and pursuant to the terms of such license agreement, GM has the right, in the first instance, to control the maintenance, enforcement and defense of such patents and the prosecution of the licensed patent applications. In addition, the license agreement limits our ability to sublicense our rights. The Patent and Technology License Agreement permits us to utilize the bulk of the intellectual property rights on an exclusive basis in non-defense vehicles with gross vehicle weights above 5900 kilograms (typically Class 4 and higher) with some limited exceptions for GM light-duty pickup truck and van platforms. It also permits us to utilize the bulk of the intellectual property rights on an exclusive basis in defense vehicles that exceed 4250 kilograms (generally Class 3 to Class 4 and higher). GM continues to have the right under such patents and technology to utilize the licensed intellectual property for use in vehicles below the above mentioned rating thresholds, as well as in some light-duty van and pickup truck platforms.

We rely on unpatented technology, which exposes us to certain risks.

We currently do, and may continue in the future to, rely on unpatented proprietary technology. In such regard, we cannot be assured that any of our applications for protection of our intellectual property rights will be approved or that others will not infringe or challenge our intellectual property rights. It is possible our competitors will independently develop the same or similar technology or otherwise obtain access to our unpatented technology.

Although we believe the loss or expiration of any single patent would not have a material effect on our business, results of operations or financial position, there can be no assurance that any one, or more, of the patents licensed from GM, or any other intellectual property owned by or licensed to us, will not be challenged, invalidated or circumvented by third parties. In fact, a number of the patents licensed to us by GM have expired since the date of the Acquisition Transaction, and others are set to expire in the next few years. When a patent expires, the inventions it discloses can be used freely by others. Thus, the competitive advantage that we gain from the patents licensed to us from GM pursuant to the Acquisition Transaction will decrease over time, and a greater burden will be placed on our own research and development and licensing efforts to develop and otherwise acquire technologies to keep pace with improvements of transmission-related technology in the marketplace. We enter into confidentiality and invention assignment agreements with employees, and into non-disclosure agreements with suppliers and appropriate customers so as to limit access to and disclosure of our proprietary information. We cannot be assured that these measures will provide meaningful protection for our trade secrets, know-how or other proprietary information in the event of any unauthorized use, misappropriation or disclosure. If we are unable to maintain the proprietary nature of our technologies, our ability to sustain margins on some or all of our products may be affected, which could reduce our sales and profitability. Moreover, the protection provided for our intellectual property by the laws and courts of foreign nations may not be as advantageous to us as the protection available under U.S. law.

Our pension funding obligations could increase significantly due to a reduction in funded status as a result of a variety of factors.

Our earnings may be positively or negatively impacted by the amount of income or expense recorded for our defined benefit pension plans and other post-retirement benefits ("OPEB"). Accounting principles generally accepted in the United States of America ("GAAP") requires that income or expense for defined benefit pension plans be calculated at the annual measurement date using actuarial assumptions and calculations. These calculations reflect certain assumptions, the most significant of which relate to the capital markets, interest rates and other economic conditions. Changes in key economic indicators can change these assumptions. These assumptions, along with the actual value of assets at the measurement date, will impact the calculation of pension expense for the year. Although GAAP pension expense and pension contributions are not directly related, the key economic indicators that affect GAAP pension expense also affect the amount of cash that we would contribute to our defined benefit pension plans. Because the values of these defined benefit pension plans' assets have fluctuated and will fluctuate in response to changing market conditions, the amount of gains or losses that will be recognized in subsequent periods, the impact on the funded status of the defined benefit pension plans and the future minimum required contributions, if any, could have a material adverse effect on our business, results of operations and financial condition. The magnitude of such impact cannot be determined with certainty at this time. However, the effect of a one percentage point decrease in the assumed discount rate would result in an increase in the December 31, 2013 defined benefit pension plans obligation of approximately \$15.3 million. Likewise, a one percentage point decrease in the effective interest rate for determining defined benefit pension plans contributions would result in an increase in the minimum required contributions for 2014 of approximately \$5.0 million. Similarly, a one percentage point decrease in the assumed discount rate would result in an increase in the December 31, 2013 OPEB obligation of approximately \$20.2 million. As of December 31, 2013 the funded (unfunded) status of our defined benefit pension plans and OPEB benefits was \$2.7 million and (\$120.7) million, respectively.

Environmental, health and safety laws and regulations may impose significant compliance costs and liabilities on us.

We are subject to many environmental, health and safety laws and regulations governing emissions to air, discharges to water, the generation, handling and disposal of waste and the cleanup of contaminated properties. Compliance with these laws and regulations is costly. We have incurred and expect to continue to incur significant costs to maintain or achieve compliance with applicable environmental, health and safety laws and regulations. Moreover, if these environmental, health and safety laws and regulations become more stringent in the future, we could incur additional costs in order to ensure that our business and products comply with such regulations. We cannot assure we are in full compliance with all environmental, health and safety laws and regulations. Our failure to comply with applicable environmental, health and safety laws and regulations and permit requirements could result in civil or criminal fines, penalties or enforcement actions, third-party claims for property damage and personal injury, requirements to clean up property or to pay for the costs of cleanup or regulatory or judicial orders enjoining or curtailing operations or requiring corrective measures, including the installation of pollution control equipment or remedial actions. Our failure to comply could also result in our failure to secure adequate insurance for our business, resulting in significant exposure, diminished ability to hedge our risks and material modifications of our business operations.

We may be subject to liability under the Comprehensive Environmental Response, Compensation and Liability Act and similar state or foreign laws for contaminated properties that we currently own, lease or operate or that we or our predecessors have previously owned, leased or operated, and sites to which we or our predecessors sent hazardous substances. Such liability may be joint and several so that we may be liable for more than our share of contamination, and any such liability may be determined without regard to causation or knowledge of contamination. We or our predecessors have been named potentially responsible parties at contaminated sites from time to time. GM continues to perform remedial activities at our Indianapolis, Indiana manufacturing facilities relating to historical soil and groundwater contamination at the facilities. GM is performing such activities pursuant to a voluntary Corrective Action Agreement with the U.S. Environmental Protection Agency, which we refer to as the Corrective Action. GM retained responsibility for completing all remediation activities covered by the Corrective Action at the Indianapolis, Indiana facilities, and agreed to indemnify us against certain environmental liabilities. See Part I, Item 1, "Business — Environmental" of this Annual Report on Form 10-K. There can be no assurances that GM will comply with its indemnity obligations or with its remedial obligations at the Indianapolis, Indiana facilities, or that future environmental remediation obligations will not have a material adverse effect on our results of operations. In addition, we occasionally evaluate various alternatives with respect to our facilities, including possible dispositions or closings. Investigations undertaken in connection with these activities may lead to discoveries of contamination that must be remediated, and closings of facilities may trigger remediation requirements that are not applicable to operating facilities. We may also face lawsuits brought by third parties that either allege property damage or personal injury as a result of, or seek reimbursement for costs associated with, such contamination.

We could be materially adversely affected by any failure to maintain cost controls.

We rely on our cost structure and operating discipline to achieve strong operating margins. There are many factors that could affect our ability to realize expected cost savings or achieve future cost savings that we are not able to control, including the inability to meet demand through our low-cost country sourcing initiatives; the need for unexpected significant capital expenditures; unexpected changes in commodity or component pricing that we are unable to pass on to our suppliers or customers; our inability to maintain efficiencies gained from our workforce optimization initiatives; and our failure to achieve and maintain expected cost savings from our multi-tier wage and benefit structure. Additionally, we have substantial indebtedness of approximately \$2,678.3 million as of December 31, 2013. Our inability to maintain our cost controls could adversely impact our operating margins.

We have incurred, and will continue to incur, increased costs as a result of operating as a publicly traded company, and our management is required to devote substantial time to new and continued compliance initiatives.

As a publicly traded company, we have incurred, and will continue to incur, additional legal, accounting and other expenses that we did not previously incur while a private company. In addition, the Sarbanes-Oxley Act of 2002 (the "Sarbanes-Oxley Act"), the Dodd-Frank Wall Street Reform and Consumer Protection Act and the rules of the SEC and the New York Stock Exchange ("NYSE"), have imposed various requirements on public companies. Our management and other personnel devote a substantial amount of time to these compliance initiatives. Moreover, these rules and regulations have increased, and will continue to increase, our legal and financial compliance costs and have made, and will continue to make, some activities more time-consuming and costly. For example, these rules and regulations make it more difficult and more expensive for us to obtain director and officer liability insurance, and we are required to incur additional costs to maintain the same or similar coverage.

We have experienced significant losses and we cannot assure that we will achieve or maintain profitability.

Although our net income for fiscal years 2013, 2012, 2011 and 2010 was \$165.4 million, \$514.2 million, \$103.0 million and \$29.6 million, respectively, we had net losses of \$323.9 million and \$328.1 million for fiscal years 2009 and 2008, respectively. Our ability to achieve or maintain profitability is dependent upon a number of risks and uncertainties, many of which are beyond our control. We cannot ensure that we will be successful in executing our business strategy and achieving or maintaining profitability, and our failure to do so could have a material adverse effect on the price of our common stock and our ability to satisfy our obligations, including making payments on our indebtedness.

To service our indebtedness, we will require a significant amount of cash and our ability to generate cash depends on many factors beyond our control.

Our ability to make cash payments on our indebtedness and to fund planned capital expenditures will depend on our ability to generate significant operating cash flow in the future. This, to a significant extent, is subject to general economic, financial, competitive, legislative, regulatory and other factors that are beyond our control.

We cannot ensure that our business will generate sufficient cash flow from operations or that future borrowings will be available to us under the Senior Secured Credit Facility in an amount sufficient to enable us to pay our indebtedness or to fund our other liquidity needs. In such circumstances, we may need to refinance all or a portion of our indebtedness on or before maturity. We cannot ensure that we will be able to refinance any of our indebtedness on commercially reasonable terms or at all. If we cannot service our indebtedness, we may have to take actions such as selling assets, seeking additional equity or reducing or delaying capital expenditures, strategic acquisitions, investments and alliances. We cannot ensure that any such actions, if necessary, could be effected on commercially reasonable terms or at all.

If we are unable to generate sufficient cash flow or are otherwise unable to obtain funds necessary to meet required payments of principal, premium, if any, and interest on our indebtedness, or if we otherwise fail to comply with the various covenants in the instruments governing our indebtedness, we could be in default under the terms of the agreements governing such indebtedness. In the event of such default, the holders of such indebtedness could elect to declare all the funds borrowed thereunder to be due and payable, together with accrued and unpaid interest, the lenders under the Senior Secured Credit Facility could elect to terminate their commitments thereunder, cease making further loans and institute foreclosure proceedings against our assets, and we could be forced into bankruptcy or liquidation. If our operating performance declines, we may in the future need to obtain waivers from the required lenders under the Senior Secured Credit Facility to avoid being in default. If we or any of our subsidiaries breach the covenants under the Senior Secured Credit Facility and seek a waiver, we may not be able to obtain a waiver from the required lenders. If this occurs, we would be in default under the Senior Secured Credit Facility, the lenders could exercise their rights, as described above, and we could be forced into bankruptcy or liquidation.

Despite current indebtedness levels, we and our subsidiaries may still be able to incur additional indebtedness, which could further exacerbate the risks associated with our substantial financial leverage.

We and our subsidiaries may be able to incur additional indebtedness in the future because the terms of our indebtedness do not fully prohibit us or our subsidiaries from doing so. Subject to covenant compliance and certain conditions, our indebtedness permits additional borrowing, including total borrowing up to \$410.0 million under the revolving portion of the Senior Secured Credit Facility. If new debt is added to our current debt levels and our subsidiaries' current debt levels, the related risks that we and they now face could intensify.

Exchange rate fluctuations could adversely affect our results of operations and financial position.

As a result of the expansion of our international operations, currency exchange rate fluctuations could affect our results of operations and financial position. We expect to generate an increasing portion of our net sales and expenses in such foreign currencies as the Japanese Yen, Euro, Indian Rupee, Brazilian Real, Chinese Yuan Renminbi, Canadian Dollar, British Pound, and Hungarian Forint. Although we may enter into foreign exchange agreements with financial institutions in order to reduce our exposure to fluctuations in the value of these and other foreign currencies, these transactions, if entered into, will not eliminate that risk entirely. To the extent that we are unable to match net sales received in foreign currencies with expenses paid in the same currency, exchange rate fluctuations could have a negative impact on our results of operations and financial condition. Additionally, because our consolidated financial results are reported in U.S. Dollars, if we generate net sales or earnings in other currencies, the conversion of such amounts into U.S. Dollars can result in an increase or decrease in the amount of our net sales or earnings. Furthermore, we sell certain of our products in our non-North American markets denominated in the U.S. Dollar. To the extent that certain of the local currencies in our non-North American markets are relatively weaker than the U.S. Dollar, whether as a result of foreign governments' influence or otherwise, we could become less price competitive, which could have a material adverse effect on the results of our operations.

GM's actions may materially affect our business and operating results.

Although we are an independent company as a result of the Acquisition Transaction, GM's future actions may still have a material impact on our business and results of operations. Pursuant to the Cure Agreement resulting from GM's emergence from bankruptcy in 2009, GM has assumed certain agreements from its predecessor, including the Asset Purchase Agreement, intellectual property and software license agreements, lease agreements, engineering services agreements, an employee matters agreement and a hybrid co-branding agreement. GM's failure to comply with any portion of these agreements for any reason, including the indemnities therein, could inhibit us from operating and expanding our business in the future.

Additionally, GM has received a non-exclusive, royalty-free, worldwide license to use the "Allison Transmission" name and certain related trademarks on GM's line of A1000 transmission for use primarily in Class 2 and 3 pick-up trucks. If GM, or any of its subsidiaries or affiliated entities, or any third party uses the trade name "Allison Transmission" in ways that adversely affect such trade name or trademark, our reputation could suffer damage, which in turn could have a material adverse effect on our business, results of operations and financial condition.

In connection with the Acquisition Transaction, we entered into a mutual non-compete agreement with GM that restricts GM from competing with us in non-defense vehicles in North America with gross vehicle weights above 5900 kilograms (typically Class 4 and higher) with some limited exceptions for certain GM light-duty pickup truck and van platforms. It also restricts GM from competing with us in defense vehicles globally and in non-defense vehicles outside North America that exceed 4250 kilograms (generally Class 3 to Class 4 and higher) with some limited exceptions. The non-compete periods extend until August 2017 globally, except in Europe, where they expired in 2012. Similarly, we are restricted from competing with GM in weight classes below the above mentioned thresholds for similar periods of time. Upon expiration of the non-competition periods, both Allison and GM will be permitted to compete with each other but such expiration will generally not affect Allison's rights under the Patent and Technology License Agreement to use on an exclusive basis within its respective weight classes (subject to previously mentioned exceptions) the intellectual property that is licensed to Allison on an exclusive basis.

In addition, because of our current manufacturing services agreement with Opel Szentgotthard Automotive Manufacturing Ltd., a GM subsidiary, we may be materially adversely affected by the failure of GM to perform as expected. This non-performance may consist of delays or failures caused by production issues. The risk of non-performance may also result from the insolvency or bankruptcy of GM. GM's ability to provide personnel and technical resources to us is also subject to a number of risks, including destruction of our equipment or work stoppages. In addition, our failure to provide an adequate facility, or order sufficient quantities of inventory, may increase the cost of production or may lead to GM refusing to provide resources to us at all. Our efforts to protect against and to minimize these risks may not always be effective.

Usage of our net operating losses for U.S. federal income tax purposes may be subject to limitations in the future.

As of December 31, 2013, we had \$346.5 million of net operating losses for U.S. federal income tax purposes. If we continue to generate taxable income in the future, we may be able to utilize these net operating losses to offset future federal income tax liabilities. In addition, our future financial performance may diminish our tax savings more rapidly than we currently anticipate. To the extent possible, we will structure our operating activities to minimize our income tax liabilities. However, there can be no assurance we will be able to reduce it to a specified level. Additionally, we are a controlled company, with two of our shareholders owning approximately 54% of our common stock, and should either of these shareholders sell a significant amount of their holdings we may experience a delay in our ability to recognize a portion of our net operating losses under the internal revenue code.

An impairment in the carrying value of goodwill or other indefinite-lived intangible assets could negatively affect our consolidated results of operations and net worth.

Pursuant to GAAP, we are required to assess our goodwill and indefinite-lived intangible assets to determine if they are impaired on an annual basis, or more often if events or changes in circumstances indicate that impairment may have occurred. Intangible assets with finite lives are amortized over the useful life and are reviewed for impairment on triggering events such as events or changes in circumstances indicating that an impairment may have occurred. If the testing performed indicates that impairment has occurred, we are required to record a non-cash impairment charge for the difference between the carrying value of the goodwill and the implied fair value of the goodwill or the carrying value of the intangible assets and the fair value of the intangible assets in the period the determination is made. Disruptions to our business, end market conditions, protracted economic weakness and unexpected significant declines in operating results may result in charges for goodwill and other asset impairments.

Our annual goodwill and trade name impairment test for the year ended December 31, 2013 resulted in no impairment. Although our analysis regarding the fair values of our goodwill and trade name indicates that they exceed their carrying values, materially different assumptions regarding the future performance of our business could result in impairment losses. See NOTE 2 and NOTE 5 of Notes to Consolidated Financial Statements included in Part II, Item 8 of this Annual Report on Form 10-K for additional details.

We are controlled by Carlyle and Onex, whose interests in our business may be different than our other stockholders.

As of December 31, 2013, Carlyle and Onex each owned approximately 27.1% of our equity. Pursuant to an amended and restated stockholders agreement, a majority of the Board of Directors has been designated by Carlyle and Onex and is affiliated with Carlyle and Onex. See Part III, Item 13, "Certain Relationships and Related Transactions, and Director Independence" of this Annual Report on Form 10-K. As a result, Carlyle and Onex or their nominees to the Board of Directors have the ability to control the appointment of our management, the entering into of mergers, sales of substantially all of our assets and other extraordinary transactions and influence amendments to our certificate of incorporation. So long as Carlyle and Onex continue to own a majority of our equity, they will have the ability to control the vote in any election of directors and will have the ability to prevent any transaction that requires stockholder approval regardless of whether others believe the transaction is in our best interests. The interests of Carlyle and Onex could conflict with those of our other stockholders. In addition, Carlyle and Onex may in the future own businesses that directly compete with ours.

Our ability to pay regular dividends on our common stock is subject to the discretion of our Board of Directors and may be limited by our structure and statutory restrictions and restrictions imposed by the Senior Secured Credit Facility and the indenture governing the 7.125% Senior Notes as well as any future agreements.

Our Board of Directors declared a quarterly dividend of \$0.06 per share of common stock beginning in the second quarter of 2012 and increased the quarterly dividend to \$0.12 per share of common stock beginning in the second quarter of 2013. However, the payment of future dividends will be at the discretion of our Board of Directors and will depend on, among other things, our earnings, financial condition, capital requirements, level of indebtedness, statutory and contractual restrictions applying to the payment of dividends and other considerations that our Board of Directors deems relevant. The Senior Secured Credit Facility and the indenture governing the 7.125% Senior Notes also effectively limit our ability to pay dividends. As a consequence of these limitations and restrictions, we may not be able to make, or may have to reduce or eliminate, the payment of dividends on our common stock. Accordingly, you may have to sell some or all of your common stock after price appreciation in order to generate cash flow from your investment. You may not receive a gain on your investment when you sell your common stock and you may lose the entire amount of the investment. Additionally, any change in the level of our dividends or the suspension of the payment thereof could adversely affect the market price of our common stock.

Provisions of our amended and restated certificate of incorporation and amended and restated bylaws and Delaware law might discourage, delay or prevent a change of control of our company or changes in our management and, as a result, depress the trading price of our common stock.

As of March 12, 2012, our amended and restated certificate of incorporation and amended and restated bylaws contain provisions that could discourage, delay or prevent a change in control of our company or changes in our management that the stockholders of our company may deem advantageous. These provisions:

- authorize the issuance of blank check preferred stock that our Board of Directors could issue to increase the number of outstanding shares and to discourage a takeover attempt;
- limit the ability of stockholders to remove directors only “for cause” if the Sponsors and their respective affiliates (other than Allison) collectively cease to own more than 50% of our common stock;
- prohibit our stockholders from calling a special meeting of stockholders if the Sponsors and their respective affiliates (other than Allison) collectively cease to own more than 50% of our common stock;
- prohibit stockholder action by written consent, which requires all stockholder actions to be taken at a meeting of our stockholders, if the Sponsors and their respective affiliates (other than Allison) collectively cease to own more than 50% of our common stock;
- provide that the Board of Directors is expressly authorized to adopt, or to alter or repeal our bylaws;
- establish advance notice requirements for nominations for election to our Board of Directors or for proposing matters that can be acted upon by stockholders at stockholder meetings;
- establish a classified Board of Directors, with three staggered terms; and
- require the approval of holders of at least two-thirds of the outstanding shares of common stock to amend the bylaws and certain provisions of the certificate of incorporation if the Sponsors and their respective affiliates (other than Allison) collectively cease to own more than 50% of our common stock.

These anti-takeover defenses could discourage, delay or prevent a transaction involving a change in control of our company. These provisions could also discourage proxy contests and make it more difficult for our non-controlling stockholders to elect directors of their choosing and cause us to take corporate actions other than those they desire.

We are a “controlled company” within the meaning of the NYSE rules and, as a result, qualify for, and rely on, exemptions from certain corporate governance requirements. Our stockholders do not have the same protections afforded to stockholders of companies that are subject to such requirements.

As of December 31, 2013, Carlyle and Onex continue to control a majority of the voting power of our outstanding common stock. As a result, we are a “controlled company” within the meaning of the NYSE corporate governance standards. Under these rules, a company of which more than 50% of the voting power is held by an individual, group or another company is a “controlled company” and may elect not to comply with certain corporate governance requirements, including:

- the requirement that a majority of the Board of Directors consist of independent directors;
- the requirement that we have a nominating and corporate governance committee that is composed entirely of independent directors with a written charter addressing the committee’s purpose and responsibilities;
- the requirement that we have a compensation committee that is composed entirely of independent directors with a written charter addressing the committee’s purpose and responsibilities; and
- the requirement for an annual performance evaluation of the nominating and corporate governance committee and compensation committee.

We currently utilize certain of these exemptions and intend to continue to do so for so long as we continue to qualify as a “controlled company.” Our nominating and corporate governance and compensation committees do not consist entirely of independent directors and such committees are not subject to annual performance evaluations. Accordingly, our stockholders do not have the same protections afforded to stockholders of companies that are subject to all of the corporate governance requirements of the NYSE.

Upon the sale of a sufficient number of shares by the Sponsors, we will no longer be a controlled company, and we may have difficulties complying with NYSE rules relating to the composition of our board of directors.

Our common stock is listed on the NYSE. Under the NYSE rules, a company of which more than 50% of the voting power is held by a person or group of persons acting together is a “controlled company.” As a controlled company under NYSE rules, we have not been subject to a number of corporate governance rules relating to composition of our board of directors and certain committees.

Upon the sale of a sufficient number of shares by the Sponsors, we will no longer be a controlled company and, in accordance with NYSE rules, would have to phase into compliance with certain requirements from which we are now exempt, including:

- the requirement that a majority of the Board of Directors consist of independent directors;
- the requirement that we have a nominating and corporate governance committee that is composed entirely of independent directors with a written charter addressing the committee’s purpose and responsibilities;
- the requirement that we have a compensation committee that is composed entirely of independent directors with a written charter addressing the committee’s purpose and responsibilities; and
- the requirement for an annual performance evaluation of the nominating and corporate governance committee and compensation committee.

We intend to comply with these NYSE rules if we cease to be a controlled company. However, there can be no assurance that we will be able to attract and retain the number of independent directors needed to comply with NYSE rules during the phase-in period for compliance.

Sales of substantial amounts of our common stock, or the possibility of such sales, may adversely affect the price of our common stock.

Sales of substantial amounts of our common stock in the public market by the Sponsors or by us, or the perception that such sales will occur, could adversely affect the market price of our common stock and make it difficult for us to raise funds through securities offerings in the future. As of February 10, 2014, there were 183,741,728 shares of our common stock issued and outstanding, of which 76,620,000 shares sold in registered offerings are freely transferable without restriction or further registration under the Securities Act, unless acquired by our “affiliates” as that term is defined in Rule 144 under the Securities Act.

In addition, all shares of common stock issued upon exercise of stock options and other equity-based awards granted under our stock incentive plans will also be freely tradable under the Securities Act unless acquired by our affiliates. A maximum of 30.2 million shares of common stock are reserved for issuance under our stock incentive plans, some of which have already been issued.

The remaining shares of common stock outstanding, including the 99,392,499 shares of common stock currently owned by the Sponsors, are “restricted securities” within the meaning of Rule 144 under the Securities Act, but are eligible for resale subject to applicable volume, manner of sale, holding period and other limitations of Rule 144, pursuant to an effective registration statement or pursuant to an exemption from registration under Rule 701 under the Securities Act.

The Sponsors have the right under certain circumstances to require that we register all of their shares of common stock for resale under the Securities Act. On April 15, 2013, we filed such a registration statement for the resale of our common stock, from time to time in one or more offerings, by selling stockholders to be named, and upon specific terms to be contained, in one or more supplements to the registration statement. The sale by the Sponsors of such registered shares of common stock would increase the number of shares of our common stock eligible to be traded on the NYSE, which could depress the market price of our common stock.

ITEM 1B. Unresolved Staff Comments

None.

ITEM 2. Properties

Our world headquarters, which we own, is located at One Allison Way, Indianapolis, Indiana 46222. As of December 31, 2013, we have a total of 17 manufacturing and certain other facilities in seven countries. The following table sets forth certain information regarding these facilities.

Plant	Location	Approximate Size (ft²)	Owned / Leased	Description
Plant #3	Indianapolis	927,000	Own	Engineering, Operational Support
Plant #4	Indianapolis	425,900	Own	Manufacturing
Plant #6	Indianapolis	431,500	Own	Manufacturing
Plant #16	Indianapolis	391,700	Own	Manufacturing
Plant #12	Indianapolis	534,900	Own	Manufacturing
Plant #14	Indianapolis	481,100	Own	Manufacturing
Plant #15	Indianapolis	126,400	Lease	Manufacturing
Plant #17	Indianapolis	389,000	Own	Parts Distribution Center
Plant #20 Tech. Center	Indianapolis	59,000	Own	Engineering & Testing
Plant #21 Tech. Center	Indianapolis	10,000	Own	Engineering & Testing
Szentgotthard	Hungary	149,000	Own	Manufacturing & Customization
Szentgotthard	Hungary	3,900	Own	Sales & Marketing Support
Shanghai	China	38,000	Lease	Customization & Distribution
Santo Amaro/Sorocabo	Brazil	31,400	Own	Customization & Distribution
Chennai	India	258,500	Own	Manufacturing
Dubai	United Arab Emirates	16,500	Lease	Distribution
Sliedrecht	The Netherlands	37,000	Lease	Customization & Distribution

We believe all our facilities are suitable for their intended purpose, are being efficiently utilized and provide adequate capacity to meet demand for the next several years. The table above does not include sales offices located in various countries.

ITEM 3. Legal Proceedings

We are subject to various contingencies, including routine legal proceedings and claims arising out of the normal course of business. These proceedings primarily involve commercial claims, product liability claims, personal injury claims and workers' compensation claims. The outcome of these lawsuits, legal proceedings and claims cannot be predicted with certainty. Nevertheless, we believe the outcome of any of these currently existing proceedings, even if determined adversely, would not have a material adverse effect on our financial condition or results of operations.

ITEM 4. Mine Safety Disclosures

Not applicable.

PART II.

ITEM 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

Market Information

Our common stock is listed on the NYSE under the symbol "ALSN." The following table sets forth the high and low sale prices per share for our common stock on the NYSE and the dividends declared per share for each quarter for the periods indicated:

	<u>High</u>	<u>Low</u>	<u>Dividends Declared</u>
Year Ended December 31, 2013:			
First Quarter	\$24.14	\$20.13	\$ 0.06
Second Quarter	\$24.50	\$20.67	\$ 0.12
Third Quarter	\$27.48	\$22.08	\$ 0.12
Fourth Quarter	\$28.15	\$23.62	\$ 0.12
Year Ended December 31, 2012:			
First Quarter (beginning March 15, 2012)	\$25.20	\$22.70	\$ 0.00
Second Quarter	\$25.22	\$15.92	\$ 0.06
Third Quarter	\$20.65	\$15.82	\$ 0.06
Fourth Quarter	\$22.00	\$17.95	\$ 0.06

Holder

As of February 10, 2014, there were 30 stockholders of record of our common stock. The number of record holders is based upon the actual number of holders registered on the books of the Company at such date and does not include holders of shares in "street name" or persons, partnerships, associations, corporations or other entities identified in security position listings maintained by depositories.

Dividends

Our Board of Directors declared quarterly dividends of \$0.06 per share beginning in the second quarter of 2012 and increased the quarterly dividend to \$0.12 per share beginning in the second quarter of 2013. Prior to these dividend payments, we had not paid dividends on our common stock. We expect to continue paying cash dividends on a quarterly basis; however, future dividends are subject to approval of the Board of Directors and may be adjusted as business needs or market conditions change.

Unregistered Sales of Securities

During the period covered by this Annual Report on Form 10-K, we did not offer or sell any securities that were not registered under the Securities Act of 1933, as amended (the "Securities Act").

Issuer Purchases of Equity Securities

We did not purchase any of our equity securities during the fourth quarter of 2013.

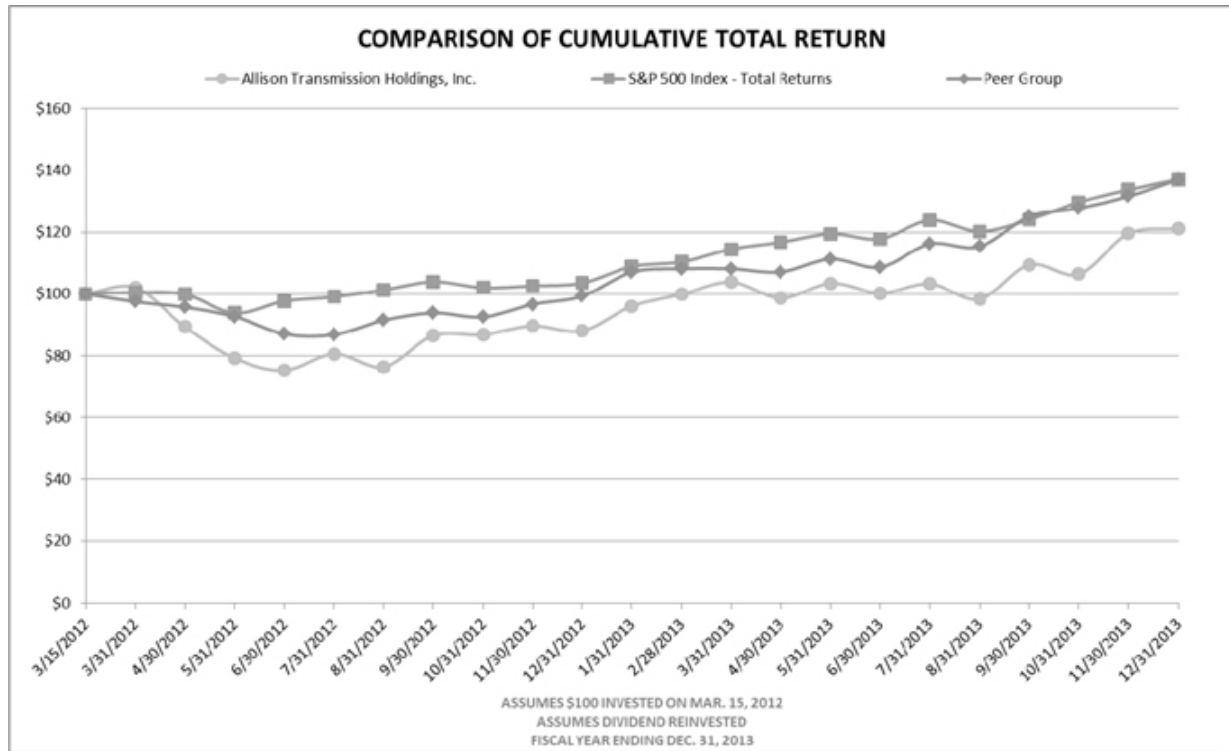
Issuances Under Equity Compensation Plans

For information regarding the securities authorized for issuance under our equity compensation plans, see Part II, Item 12 of this Annual Report on Form 10-K.

Comparative Stock Performance Graph

The information included under the heading “Comparative Stock Performance Graph” in this Item 5 of Part II of this Annual Report on Form 10-K shall not be deemed to be “soliciting material” or subject to Regulation 14A or 14C, shall not be deemed “filed” for purposes of Section 18 of the Exchange Act, or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act or the Exchange Act.

Set forth below is a graph comparing the total cumulative returns of ALSN, the S&P 500 Index and an index of peer companies selected by us. Our peer group includes Pall Corporation, Donaldson Company Inc., Graco Inc., Roper Industries Inc., Gentex Corporation, Rockwell Automation Inc. and Sensata Technologies Holding N.V. The graph assumes \$100 was invested on March 15, 2012 in our common stock and each of the indices and that all dividends, if any, are reinvested.



	As of March 15, 2012	As of December 31, 2012	As of December 31, 2013
Allison Transmission Holdings, Inc.	\$ 100.00	\$ 88.06	\$ 121.20
S&P 500 Index	100.00	103.52	137.04
Peer Group	100.00	99.32	136.95

ITEM 6. Selected Financial Data

The following table sets forth certain financial information for the five years ended December 31, 2013. The following table should be read in conjunction with Part II, Item 7, "Management's Discussion and Analysis of Financial Condition and Results of Operations" and Part II, Item 8, "Financial Statements and Supplementary Data" of this Annual Report on Form 10-K.

<i>(dollars in millions, except per share data)</i>	<u>Dec. 31,</u> <u>2013</u>	<u>Dec. 31,</u> <u>2012</u>	<u>Dec. 31,</u> <u>2011</u>	<u>Dec. 31,</u> <u>2010</u>	<u>Dec. 31,</u> <u>2009</u>
Consolidated Statements of Operations:					
Net sales	\$1,926.8	\$2,141.8	\$2,162.8	\$1,926.3	\$1,766.7
Gross profit	841.9	954.3	954.5	828.2	619.8
Operating expenses:					
Selling, general and administrative expenses	334.9	419.0	409.1	384.9	391.2
Engineering — research and development	97.1	115.1	116.4	101.5	89.7
Trade name impairment	—	—	—	—	190.0
Total operating expenses	432.0	534.1	525.5	486.4	670.9
Operating income (loss)	409.9	420.2	429.0	341.8	(51.1)
Other income (expense), net:					
Interest income	0.8	0.9	0.9	3.5	1.4
Interest expense	(133.7)	(152.1)	(218.2)	(281.0)	(235.6)
Premiums and expenses on tender offer for long-term debt	—	—	(56.9)	—	—
Other (expense) income, net	(10.9)	(52.8)	(4.2)	19.0	2.8
Total other expense, net	(143.8)	(204.0)	(278.4)	(258.5)	(231.4)
Income (loss) before income taxes	266.1	216.2	150.6	83.3	(282.5)
Income tax (expense) benefit	(100.7)	298.0	(47.6)	(53.7)	(41.4)
Net income (loss)	\$ 165.4	\$ 514.2	\$ 103.0	\$ 29.6	\$ (323.9)
Earnings (Loss) Per Share Data:					
Basic earnings (loss) per share	\$ 0.90	\$ 2.83	\$ 0.57	\$ 0.16	\$ (1.79)
Weighted-average shares outstanding	184.5	182.0	181.4	181.4	181.3
Diluted earnings (loss) per share	\$ 0.88	\$ 2.76	\$ 0.56	\$ 0.16	\$ (1.79)
Diluted weighted-average shares outstanding	187.9	186.2	183.3	181.4	181.3
Dividends per common share	\$ 0.42	\$ 0.18	\$ —	\$ —	\$ —
Consolidated Balance Sheet Data:					
Cash and cash equivalents	\$ 184.7	\$ 80.2	\$ 314.0	\$ 252.2	\$ 153.1
Total assets	4,812.6	4,866.0	5,192.6	5,310.4	5,410.8
Total debt	2,678.3	2,820.8	3,378.6	3,671.1	3,874.1
Stockholders' equity	1,438.8	1,356.9	821.7	741.7	736.6

ITEM 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

The following discussion contains forward-looking statements that involve risks and uncertainties. Our actual results may differ materially from those discussed in the forward looking statements as a result of various factors, including, without limitation, those set forth under Part I, Item 1A, "Risk Factors," and other matters included elsewhere in this Annual Report on Form 10-K. The following discussion and analysis of our financial condition and results of operations should be read in conjunction with our consolidated financial statements and the notes thereto included elsewhere in this Annual Report on Form 10-K, as well as the information presented under Part II, Item 6 of this Annual Report on Form 10-K.

Overview

We design and manufacture fully-automatic transmissions for medium- and heavy-duty commercial vehicles, medium- and heavy-tactical U.S. defense vehicles and hybrid-propulsion systems for transit buses. We generate our net sales primarily from the sale of transmissions, transmission parts, support equipment, defense kits, engineering services and extended transmission coverage ("ETC") to a wide array of OEMs, distributors and the U.S. government. Although approximately 77% of our net sales were generated in North America in 2013, we have a global presence, serving customers in Europe, Asia, South America and Africa. As of December 31, 2013, we had approximately 2,700 employees and 13 different transmission product lines. Since the introduction of our first fully-automatic transmission over 60 years ago, our products have gained acceptance in a wide variety of applications, including on-highway trucks (distribution, refuse, construction, fire and emergency), buses (primarily school, transit and hybrid-transit), motorhomes, off-highway vehicles and equipment (primarily energy, mining and construction) and defense vehicles (wheeled and tracked). We have developed over 100 different product models that are used in more than 2,500 different vehicle configurations, which are compatible with more than 500 combinations of engine brands, models and ratings. We also sell support equipment and Allison-branded replacement parts for our transmissions and remanufactured transmissions for use in the vehicle aftermarket.

Allison Transmission, which is headquartered in Indianapolis, Indiana, was founded in 1915 and acquired by our Sponsors in August 2007 from Old GM. The Acquisition Transaction was structured as an asset purchase for U.S. federal income tax purposes, which resulted in a step-up in the U.S. federal income tax basis of our assets that allows us to take substantial amortization deductions for U.S. federal income tax purposes. As of December 31, 2013, we had \$2,702.4 million of unamortized intangible assets for income tax purposes which may be amortized over a period of approximately 8.6 years. These assets are expected to generate U.S. federal income tax deductions of approximately \$314.8 million annually through 2021 and approximately \$183.8 million in 2022. If we continue to generate taxable income in the future, the amortization of these assets, together with existing U.S. net operating losses of \$346.5 million as of December 31, 2013, will be used to reduce our U.S. federal cash income tax payments.

Recent Developments

On December 31, 2013, we entered into Amendment No. 9 to the Credit Agreement, dated as of August 7, 2007 which allowed us to add up to an additional \$90.0 million to the revolving portion of our Senior Secured Credit Facility prior to February 15, 2014. As of February 15, 2014, we had \$465.0 million of borrowing capacity under the revolving portion of our Senior Secured Credit Facility.

Trends Impacting Our Business

Our net sales are driven by commercial vehicle production, which tends to be highly correlated to macroeconomic conditions. According to ACT Research, commercial truck and bus production volumes in our North American on-highway markets are projected to grow, but to remain below the 1998-2008 average production levels through 2015. Our 2014 net sales guidance assumes a continued recovery in the North America On-Highway end market, lower demand in the North America Hybrid-Propulsion Systems for Transit Bus end market due to engine emissions improvements and non-hybrid alternative technologies that generally require a fully-automatic transmission (e.g. xNG), a slowly emerging improvement in demand from the North America energy sector's hydraulic fracturing market, previously considered reductions in U.S. defense spending to longer term averages experienced during periods without active conflicts, growth in the Outside North America On-Highway end market, moderately improved second half demand conditions in the Outside North America Off-Highway end market and higher demand in the Service Parts, Support Equipment & Other end market.

Full Year 2013 and 2012 Net Sales by End Market (in millions)

End Market	2013 Net Sales	2012 Net Sales	% Variance
North America On-Highway	\$ 825	\$ 813	1%
North America Hybrid Propulsion Systems for Transit Bus	105	115	(9%)
North America Off-Highway	39	157	(75%)
Defense	202	305	(34%)
Outside North America On-Highway	293	290	1%
Outside North America Off-Highway	88	114	(23%)
Service Parts, Support Equipment and Other	375	348	8%
Total Net Sales	\$ 1,927	\$ 2,142	(10%)

North America On-Highway end market net sales were up 1% for the year ended December 31, 2013 compared to the year ended December 31, 2012. The increase was principally driven by higher demand for Highway Series, Bus Series, Motorhome Series and Rugged Duty Series models partially offset by lower demand for Pupil Transport/Shuttle Series models.

North America Hybrid-Propulsion Systems for Transit Bus end market net sales were down 9% for the year ended December 31, 2013 compared to the year ended December 31, 2012 principally due to engine emissions improvements and non-hybrid alternative technologies that generally require a fully-automatic transmission.

North America Off-Highway end market net sales were down 75% for the year ended December 31, 2013 compared to the year ended December 31, 2012. The decrease was principally driven by lower demand from hydraulic fracturing applications due to weakness in natural gas pricing.

Defense end market net sales were down 34% for the year ended December 31, 2013 compared to the year ended December 31, 2012 principally driven by continued reductions in U.S. defense spending to longer term averages experienced during periods without active conflicts.

Outside North America On-Highway end market net sales were up 1% for the year ended December 31, 2013 compared to the year ended December 31, 2012 principally driven by increased demand in Europe partially offset by lower demand in Japan and South America.

Outside North America Off-Highway end market net sales were down 23% for the year ended December 31, 2013 compared to the year ended December 31, 2012 principally driven by weakness in the mining sector partially offset by strength in the energy sector.

Service parts, support equipment & other end market net sales were up 8% for the year ended December 31, 2013 compared to the year ended December 31, 2012 principally driven by increased demand for North America On-Highway and Off-Highway service parts.

Key Components of our Results of Operations

Net sales

We generate our net sales primarily from the sale of transmissions, transmission parts, support equipment, defense kits, engineering services and extended transmission coverage to a wide array of OEMs, distributors and the U.S. government. Sales are recorded net of provisions for customer allowances and other rebates. Engineering services are recorded as net sales in accordance with the terms of the contract. The associated costs are recorded in cost of sales. We also have royalty agreements with third parties that provide net sales as a result of joint efforts in developing marketable products.

Cost of sales

Our most significant components of cost of sales are purchased parts, the overhead expense related to our manufacturing operations and direct labor associated with the manufacture and assembly of transmissions and parts. For the year ended December 31, 2013, direct material costs were approximately 68%, overhead costs were approximately 26%, and direct labor costs were approximately 6% of total cost of sales. We are subject to changes in our cost of sales caused by movements in underlying commodity prices. We seek to hedge against this risk by using commodity swap contracts and LTSAs. See Part II, Item 7A, "Quantitative and Qualitative Disclosures about Market Risk—Commodity Price Risk" included in this Annual Report on Form 10-K.

Selling, general and administrative expenses

The principal components of our selling, general and administrative expenses are salaries and benefits for our office personnel, advertising and promotional expenses, product warranty expense, expenses relating to certain information technology systems and amortization of our intangibles.

Engineering — research and development

We incur costs in connection with research and development programs that are expected to contribute to future earnings. Such costs are expensed as incurred. In 2009, we were notified by the DOE that we were selected to receive matching funds up to \$62.8 million from a cost-share grant program funded by the American Recovery and Reinvestment Act for the development of hybrid-propulsion system manufacturing capacity in the U.S. (the "Grant Program"). Applicable costs associated with the Grant Program have been charged to Engineering — research and development. The DOE's matching reimbursement is recorded to Other expense, net in the Consolidated Statements of Comprehensive Income included in Part II, Item 8, of this Annual Report on Form 10-K, or in the case of capital expenditure, as a reduction in the cost basis of the capital asset.

Critical Accounting Policies and Significant Accounting Estimates

The preparation of the consolidated financial statements in accordance with GAAP requires management to make estimates and assumptions that affect the reported amounts of some assets and liabilities and, in some instances, the reported amounts of net sales and expenses during the applicable reporting period. Differences between actual amounts and estimates are recorded in the period identified. Management believes the accounting estimates discussed below represent those accounting estimates that require the exercise of judgment where a different set of judgments could result in changes to our reported results.

Revenue recognition

We record sales when title has transferred to the customer, there is evidence of an agreement, the sales price is fixed or determinable, delivery has occurred or services rendered, and collectability is reasonably assured. We sell ETC for which sales are deferred. ETC sales are recognized ratably over the period of the ETC, which typically ranges from three to five years after initial sale. Distributor and customer sales incentives, consisting of allowances and other rebates, are estimated at the time of sale based upon our history and experience and are recorded as a reduction to net sales. Incentive programs are generally product specific or region specific. Some factors used in estimating the cost of incentives include the number of transmissions that will be affected by the incentive program and rate of acceptance of any incentive program. If the actual number of affected transmissions differs from this estimate, or if a different mix of incentives is actually paid, the impact on net sales would be recorded in the period that the change was identified.

Sales under U.S. government production contracts are recorded when the product is accepted, title has transferred to the U.S. government, the sales price is fixed or determinable, and delivery has occurred. Deferred revenue arises from cash received in advance of the culmination of the earnings process and is recognized as revenue in future periods when the applicable revenue recognition criteria have been met. Under the terms of the U.S. government contracts, there are certain price reduction clauses and provisions for potential price reductions which are estimated at the time of sale based upon our history and experience and are recorded as a reduction to net sales. Potential reductions may be attributed to a change in projected sales volumes or plant efficiencies which impact overall costs.

Due to a request from the U.S. government, we billed, but did not ship certain tracked transmissions during the second half of 2013. Based on the lack of a fixed delivery date from the U.S. government, we did not recognize revenue as of December 31, 2013 for these transmissions. Revenue will be recognized once delivery has occurred.

Inventory

We value our inventory using the first-in, first-out method, and state our inventories at the lower of cost or net realizable value. In order to determine net realizable value, we analyze our inventory on a periodic basis to determine the amount of excess or obsolete inventory. Any decline in carrying value of estimated excess or obsolete inventory is recorded as a reduction of inventory and as an expense included in cost of sales in the period it is identified.

Impairment of goodwill and other intangibles

Goodwill represents the excess of purchase price paid over the fair value of net assets acquired. In accordance with the Financial Accounting Standards Board's ("FASB") authoritative accounting guidance on goodwill, we do not amortize goodwill but rather evaluate it for impairment on an annual basis, or more often if events or circumstances change that could cause goodwill to become impaired. There is one reporting unit which is the same as our one operating and reportable segment. We have elected to perform our annual impairment test on October 31 of every year. A multi-step impairment test is performed on goodwill. In Step 0, we have the option to evaluate various qualitative factors to determine the likelihood of impairment. If determined that the fair value is more likely than not less than the carrying value, then we are required to perform Step 1. If we do not elect to perform Step 0, we can voluntarily proceed directly to Step 1. In Step 1, we perform a quantitative analysis to compare the fair value of the reporting unit to its carrying value including goodwill. If the fair value of the reporting unit exceeds the carrying value of the net assets assigned to that unit, goodwill is not considered impaired, and we are not required to perform further testing. If the carrying value of the net assets assigned to the reporting unit exceeds the fair value of the reporting unit, then we must perform Step 2 of the impairment test in order to determine the implied fair value of the reporting unit's goodwill. If the carrying value of a reporting unit's goodwill exceeds its implied fair value, then we would record an impairment loss equal to the difference.

After performing a quantitative analysis in 2013, our annual goodwill impairment test indicated that the fair value of the reporting unit exceeded its carrying value by approximately 90%, indicating no impairment. The fair value was determined utilizing a discounted cash flow model which includes key assumptions, such as net sales growth derived from market information, industry reports, marketing programs and future new product introductions; operating margin improvements derived from cost reduction programs and fixed cost leverage driven by higher sales volumes; and a risk-adjusted discount rate. Events or circumstances that could unfavorably impact the key assumptions include lower net sales driven by market conditions, our inability to execute on marketing programs and/or delay in the introduction of new products, lower gross margins as a result of market conditions or failure to obtain forecasted cost reductions, or a higher discount rate as a result of market conditions. While unpredictable and inherently uncertain, management believes the forecast estimates were reasonable and incorporate assumptions that similar market participants would use in their estimates of fair value.

Other intangible assets have both indefinite and finite useful lives. Intangible assets with indefinite useful lives, such as our trade name, are not amortized but are tested annually for impairment. Our 2013 annual trade name impairment test indicated that the fair value of the trade name exceeded its carrying value by approximately 8%, indicating no impairment. The fair value was determined utilizing an income approach by which the relief from royalty method was applied. Key assumptions incorporated into the analysis were net sales growth derived from market information, industry reports, marketing programs and new product introductions; and risk-adjusted discount rates. Events or circumstances that could unfavorably impact the key assumptions include lower net sales driven by market conditions, our inability to execute on marketing programs and/or delay in introduction of new products, and higher discount rate as a result of market conditions. While unpredictable and inherently uncertain, management believes the forecast estimates are reasonable and incorporate those assumptions that similar market participants would use in their estimates of fair value. Intangible assets with finite lives are amortized over their estimated useful lives and reviewed for impairment when circumstances change that would create a triggering event. Customer relationships are amortized over the life in which expected benefits are to be consumed. The other remaining finite useful life intangibles are amortized on a straight-line basis over their useful lives. We evaluate the remaining useful life of the other intangible assets on a periodic basis to determine whether events or circumstances warrant a revision to the remaining useful life. Assumptions and estimates about future values and remaining useful lives of our intangible and other long-lived assets are complex and subjective. They can be affected by a variety of factors, including external factors such as industry and economic trends, and internal factors, such as changes in our business strategy and internal forecasts. Although management believes the historical assumptions and estimates are reasonable and appropriate, different assumptions and estimates could materially impact our reported financial results.

Impairment of long-lived assets

The carrying value of long-lived assets is evaluated whenever events or circumstances indicate that the carrying value of an asset may not be recoverable. Events or circumstances that would result in an impairment review primarily include a significant change in the use of an asset, or the planned sale or disposal of an asset. The asset would be considered impaired when there is no future use planned for the asset or the future net undiscounted cash flows generated by the asset or asset group are less than its carrying value. An impairment loss would be recognized based on the amount by which the carrying value exceeds fair value.

Assumptions and estimates used to determine cash flows in the evaluation of impairment and the fair values used to determine the impairment are subject to a degree of judgment and complexity. Any changes to the assumptions and estimates resulting from changes in actual results or market conditions from those anticipated may affect the carrying value of long-lived assets and could result in an impairment charge.

Warranty

We provide reserves for costs associated with warranty claims at the time the products are sold. Warranty claims arise when a transmission fails while in service during the relevant warranty period. The warranty reserve is provided for by adjusting selling, general and administrative expenses by an amount based on our current and historical warranty claims paid and associated repair costs. These estimates are established using historical information including the nature, frequency and average cost of warranty claims and are adjusted as actual information becomes available. Costs associated with ETC are recorded as incurred during the extended coverage period. From time to time, we may get involved in a specific field action program. As a result of the uncertainty surrounding the nature and frequency of specific field action programs, the liability for such programs is recorded when we commit to a specific field action. We review and assess the liability for these programs on a quarterly basis. We also assess our ability to recover certain costs from our suppliers and record a receivable from the supplier when we believe a recovery is probable.

Pension and post-retirement obligations

For pension and OPEB plans in which employees participate, costs are determined within the FASB's authoritative accounting guidance set forth on employers' defined benefit pensions including accounting for settlements and curtailments of defined benefit pension plans, termination of benefits and post-retirement benefits other than pensions. In accordance with the authoritative accounting guidance, we recognize the funded status of our defined benefit pension plans and OPEB plan in our Consolidated Balance Sheets with a corresponding adjustment to Accumulated other comprehensive loss, net of tax. Currently, our OPEB liability is unfunded and costs related to our obligations are funded by current period cash flows.

Post-retirement benefit costs consist of service cost, interest cost on accrued obligations and the expected return on assets (calculated using a smoothed market value of assets). Any difference between actual and expected returns on assets during a year and actuarial gains and losses on liabilities together with any prior service costs are charged (or credited) to income over the average remaining service lives of employees.

The benefit cost components in the Consolidated Statements of Comprehensive Income included in Part II, Item 8, of this Annual Report on Form 10-K are based upon various actuarial assumptions and methodologies as prescribed by authoritative accounting guidance. These assumptions include discount rates, expected return on plan assets, health care cost trend rates, inflation, rate of compensation increases, population demographics, mortality rates and other factors. We review all actuarial assumptions on an annual basis.

Income taxes

Income taxes are accounted for under the asset and liability method. Deferred tax assets and liabilities are recognized for the expected future tax consequences attributable to temporary differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases. The future tax benefits associated with operating losses and tax credit carryforwards are recognized as deferred tax assets. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled.

The need to establish a valuation allowance against the deferred tax assets is assessed periodically based on a more-likely-than-not realization threshold, in accordance with authoritative accounting guidance. Appropriate consideration is given to all positive and negative evidence related to that realization. This assessment considers, among other matters, the nature, frequency and severity of recent losses, forecasts of future profitability, the duration of statutory carryforward periods, experience with tax attributes expiring unused and tax planning alternatives. The weight given to these considerations depends upon the degree to which they can be objectively verified.

Stock-based compensation

We maintain a stock-based compensation plan which allows employees (including executive officers), consultants and directors to receive equity awards. We have adopted the FASB's authoritative accounting guidance on share-based payments and recognize the fair value of the awards as compensation expense over the vesting period. The accounting guidance also requires that forfeitures be estimated over the vesting period of an award instead of being recognized as a reduction of compensation expense when the forfeiture actually occurs.

Off-Balance Sheet Arrangements

We are not a party to any off-balance sheet arrangements.

Recently Adopted Accounting Pronouncements

Refer to NOTE 2, "Summary of Significant Accounting Policies" in Part II, Item 8, of this Annual Report on Form 10-K.

Non-GAAP Financial Measures

We use Adjusted net income to measure our overall profitability because we believe it better reflects our cash flow generation by capturing the actual cash interest paid and cash taxes paid rather than our interest expense and tax expense as calculated under accounting principles generally accepted in the United States of America (“GAAP”) and excludes the impact of the non-cash annual amortization of certain intangible assets and other certain non-recurring items. We use Adjusted EBITDA, Adjusted EBITDA excluding technology-related license expenses, Adjusted EBITDA margin, Adjusted EBITDA margin excluding technology-related license expenses and Adjusted free cash flow to evaluate and control our cash operating costs and to measure our operating profitability. We believe the presentation of Adjusted net income, Adjusted EBITDA, Adjusted EBITDA excluding technology-related license expenses, Adjusted EBITDA margin, Adjusted EBITDA margin excluding technology-related license expenses and Adjusted free cash flow enhances our investors’ overall understanding of the financial performance and cash flow of our business.

You should not consider Adjusted net income, Adjusted EBITDA, Adjusted EBITDA excluding technology-related license expenses, Adjusted EBITDA margin and Adjusted EBITDA margin excluding technology-related license expenses as an alternative to net income, determined in accordance with GAAP, as an indicator of operating performance. You should not consider Adjusted free cash flow as an alternative to net cash provided by operating activities, determined in accordance with GAAP, as an indicator of our cash flow.

A directly comparable GAAP measure to Adjusted net income, Adjusted EBITDA and Adjusted EBITDA excluding technology-related license expenses is Net income. A directly comparable GAAP measure to Adjusted free cash flow is Net cash provided by operating activities. The following is a reconciliation of Net income to Adjusted net income, Adjusted EBITDA, Adjusted EBITDA excluding technology-related license expenses, Adjusted EBITDA margin and Adjusted EBITDA margin excluding technology-related license expenses, and a reconciliation of Net cash provided by operating activities to Adjusted free cash flow:

(unaudited, in millions)	For the year ended December 31,		
	2013	2012	2011
Net income	\$ 165.4	\$ 514.2	\$ 103.0
plus:			
Interest expense, net	132.9	151.2	217.3
Cash interest expense	(159.2)	(167.3)	(208.6)
Income tax expense (benefit)	100.7	(298.0)	47.6
Cash income taxes	(3.8)	(10.7)	(5.8)
Technology-related investments expense (a)	5.0	14.4	—
Public offering expenses (b)	1.6	6.1	—
Fee to terminate services agreement with the Sponsors (c)	—	16.0	—
Amortization of intangible assets	105.3	150.0	151.9
Adjusted net income	\$ 347.9	\$ 375.9	\$ 305.4
Cash interest expense	159.2	167.3	208.6
Cash income taxes	3.8	10.7	5.8
Depreciation of property, plant and equipment	98.7	102.5	103.8
Dual power inverter module extended coverage (d)	(2.4)	9.4	—
Unrealized loss on foreign exchange (e)	2.3	0.1	0.3
Unrealized loss (gain) on commodity hedge contracts (f)	1.5	(1.0)	6.5
Restructuring charge (g)	1.0	—	—
Loss on redemptions and repayments of long-term debt (h)	0.8	22.1	16.0
Benefit plan re-measurement (i)	—	2.3	—
UAW Local 933 contract signing bonus (j)	—	8.8	—
Premiums and expenses on tender offer for long-term debt (k)	—	—	56.9
Benefit plan adjustment (l)	—	—	(2.5)
Other (m)	13.8	7.0	11.1
Adjusted EBITDA	\$ 626.6	\$ 705.1	\$ 711.9
Adjusted EBITDA excluding technology-related license expenses (n)	\$ 632.6	\$ 717.1	\$ 711.9
Net sales	\$1,926.8	\$2,141.8	\$2,162.8
Adjusted EBITDA margin	32.5%	32.9%	32.9%
Adjusted EBITDA margin excluding technology-related license expenses (n)	32.8%	33.5%	32.9%
Net cash provided by operating activities	\$ 453.5	\$ 497.5	\$ 469.2
(Deductions) or additions to reconcile to Adjusted free cash flow:			
Additions of long-lived assets	(74.4)	(123.9)	(96.9)
Fee to terminate services agreement with the Sponsors (c)	—	16.0	—
Technology-related license expenses (n)	6.0	12.0	—
Adjusted free cash flow	\$ 385.1	\$ 401.6	\$ 372.3

- (a) Represents an impairment charge (recorded in Other expense, net) for investments in agreements with various companies to expand our position in transmission technologies.
- (b) Represents fees and expenses (recorded in Other expense, net) related to our initial public offering in March 2012, proposed and withdrawn secondary offering in April 2013, and secondary offerings in August 2013, November 2013 and December 2013.
- (c) Represents a payment (recorded in Other expense, net) to terminate the services agreement with our Sponsors.
- (d) During the third quarter of 2013, we conducted a review of the Dual Power Inverter Module (“DPIM”) extended coverage program resulting in a reduction of the DPIM liability, partially offset by a reduction of the associated GM receivable totaling a net credit (recorded in Selling, general and administrative expenses). During the second quarter of 2012, we recorded a charge (recorded in Selling, general and administrative expenses) to increase our liability related to the DPIM extended coverage program due to claims data and additional design issues identified during introduction of replacement units. The total liability and GM receivable will continue to be reviewed for any changes in estimate as additional claims data and field information become available.
- (e) Represents losses (recorded in Other expense, net) on the mark-to-market of our foreign currency hedge contracts and on intercompany financing transactions related to investments in plant assets for our India facility.
- (f) Represents losses (gains) (recorded in Other expense, net) on the mark-to-market of our commodity hedge contracts.
- (g) Represents a charge (recorded in Selling, general and administrative, and Engineering – research and development) related to an employee headcount reduction program in the second quarter of 2013.
- (h) Represents losses (recorded in Other expense, net) realized on the redemptions and repayments of ATI’s long-term debt.
- (i) Represents a settlement charge (recorded in Other expense, net) related to the settlement of pension obligations for certain qualified hourly employees from our hourly defined benefit pension plan to GM’s pension plan as part of the asset purchase agreement dated June 28, 2007.
- (j) Represents a bonus (recorded in Cost of sales, Selling, general and administrative expenses, and Engineering – research and development) to eligible employees recorded in the fourth quarter of 2012 as a result of UAW Local 933 – represented employees ratifying a labor contract effective November 2012 through November 2017.
- (k) Represents premiums and expenses (recorded in Other expense, net) related to the tender offer for ATI’s 11.25% senior toggle notes due 2015 (“Senior Toggle Notes”).
- (l) Represents a favorable adjustment (recorded in Cost of sales, Selling, general and administrative expenses, and Engineering – research and development) related to certain differences between benefits promised under a benefit plan and the administration of the plan.
- (m) Represents employee stock compensation expense (recorded in Cost of sales, Selling, general and administrative expenses, and Engineering – research and development) and service fees paid to our Sponsors (recorded in Selling, general and administrative expenses).
- (n) Represents payments (recorded in Engineering – research and development) for licenses to expand our position in transmission technologies.

Results of Operations

The following tables set forth certain financial information for the years ended December 31, 2013 and 2012 and for the years ended December 31, 2012 and 2011. The following tables and discussion should be read in conjunction with the information contained in our consolidated financial statements and the notes thereto included in Part II, Item 8 of this Annual Report on Form 10-K.

Comparison of year ended December 31, 2013 and 2012

<i>(dollars in millions)</i>	Year ended December 31,			
	2013	% of net sales	2012	% of net sales
Net sales	\$1,926.8	—	\$2,141.8	—
Gross profit	841.9	43.7%	954.3	44.6%
Operating expenses:				
Selling, general and administrative expenses	334.9	17.4	419.0	19.6
Engineering — research and development	97.1	5.0	115.1	5.4
Total operating expenses	432.0	22.4	534.1	25.0
Operating income	409.9	21.3	420.2	19.6
Other expense, net:				
Interest expense, net	(132.9)	(6.9)	(151.2)	(7.1)
Other expense, net	(10.9)	(0.6)	(52.8)	(2.4)
Total other expense, net	(143.8)	(7.5)	(204.0)	(9.5)
Income before income taxes	266.1	13.8	216.2	10.1
Income tax (expense) benefit	(100.7)	(5.2)	298.0	13.9
Net income	\$ 165.4	8.6%	\$ 514.2	24.0%

Net sales

Net sales for the year ended December 31, 2013 were \$1,926.8 million compared to \$2,141.8 million for the year ended December 31, 2012, a decrease of 10.0%. The decrease was principally driven by a \$144.0 million, or 53%, decrease in net sales of global off-highway products driven by lower demand from North America natural gas fracturing applications and lower global demand in the mining sector, a \$103.0 million, or 34%, decrease in net sales of defense products due to lower U.S. defense spending and a \$10.0 million, or 9%, decrease in net sales of North America hybrid-propulsion systems for transit buses primarily driven by lower demand due to engine emissions improvements and non-hybrid alternatives (e.g. xNG), partially offset by a \$27.0 million, or 8%, increase in net sales of parts and other products, and a \$15.0 million, or 1%, increase in net sales of global on-highway commercial products. See “Trends Impacting Our Business” above for additional information on net sales by end markets.

Gross profit

Gross profit for the year ended December 31, 2013 was \$841.9 million compared to \$954.3 million for the year ended December 31, 2012, a decrease of 11.8%. The decrease was principally driven by \$132.0 million related to decreased sales, partially offset by \$7.7 million related to the fourth quarter 2012 UAW Local 933 contract signing bonus, \$6.0 million of favorable foreign exchange and \$4.0 million of favorable manufacturing performance.

Selling, general and administrative expenses

Selling, general and administrative expenses for the year ended December 31, 2013 were \$334.9 million compared to \$419.0 million for the year ended December 31, 2012, a decrease of 20.1%. The decrease was principally driven by \$44.7 million of lower intangible asset amortization, a \$9.4 million charge in 2012 related to the DPIM extended coverage program, \$8.0 million of unfavorable product warranty adjustments in 2012 from prior period estimates, a \$2.4 million favorable adjustment in 2013 related to the DPIM extended coverage program, \$1.0 million related to the fourth quarter 2012 UAW Local 933 contract signing bonus and reduced global commercial spending activities, partially offset by \$6.0 million of higher stock compensation expense.

Engineering — research and development

Engineering expenses for the year ended December 31, 2013 were \$97.1 million compared to \$115.1 million for the year ended December 31, 2012, a decrease of 15.6%. The decrease was principally driven by \$12.0 million of technology-related license expenses in 2012 to expand our position in transmission technologies, \$0.1 million related to the fourth quarter 2012 UAW Local 933 contract signing bonus, lower product initiative spending and reduced global spending activities, partially offset by \$6.0 million of technology-related license expenses in 2013 to further expand our position in transmission technologies.

Interest expense, net

Interest expense, net for the year ended December 31, 2013 was \$132.9 million compared to \$151.2 million for the year ended December 31, 2012, a decrease of 12.1%. The decrease was principally driven by \$14.4 million of lower interest expense as a result of debt repayments and purchases, an \$8.8 million decrease in mark-to-market expense for our interest rate derivatives, \$3.8 million of lower interest expense as a result of a decrease in effective interest rate swaps and \$3.4 million of lower amortization of deferred financing fees, partially offset by \$9.0 million of higher interest expense as a result of higher interest rates on ATT's Senior Secured Credit Facility, \$3.0 million of higher interest expense related to higher interest rates on our effective interest rate swaps and \$0.1 million of lower interest income.

Other expense, net

Other expense, net for the year ended December 31, 2013 was \$10.9 million compared to \$52.8 million for the year ended December 31, 2012, a decrease of 79.4%. The decrease in expense was principally driven by \$21.3 million of lower premiums and expenses related to payments on and redemptions of long-term debt, a \$16.0 million payment in 2012 to terminate the services agreement with the Sponsors, \$9.4 million of lower technology-related investment impairment expense, \$4.5 million of lower public offering expenses, \$2.3 million related to the hourly pension plan settlement in 2012 and \$0.7 million of reduced miscellaneous expenses, partially offset by \$3.9 million of higher expenses related to unrealized and realized losses on derivative contracts, \$2.1 million of higher unfavorable foreign exchange and \$6.3 million of lower Grant Program income.

Income tax (expense)benefit

Income tax expense for the year ended December 31, 2013 was (\$100.7) million compared to an income tax benefit of \$298.0 million for the year ended December 31, 2012, resulting in an effective tax rate of (37.8%) for the year ended December 31, 2013 versus an effective tax rate of 137.8% for the year ended December 31, 2012. The change in effective tax rate was principally driven by the release of the domestic valuation allowance on our deferred tax assets in the second quarter of 2012.

Comparison of years ended December 31, 2012 and 2011

<i>(dollars in millions)</i>	Year ended December 31,			
	2012	% of net sales	2011	% of net sales
Net sales	\$2,141.8	—	\$2,162.8	—
Gross profit	954.3	44.6%	954.5	44.1%
Operating expenses:				
Selling, general and administrative expenses	419.0	19.6	409.1	18.9
Engineering — research and development	115.1	5.4	116.4	5.3
Total operating expenses	534.1	25.0	525.5	24.2
Operating income	420.2	19.6	429.0	19.9
Other expense, net:				
Interest expense, net	(151.2)	(7.1)	(217.3)	(10.1)
Premiums and expenses on tender offer for long-term debt	—	—	(56.9)	(2.6)
Other expense, net	(52.8)	(2.4)	(4.2)	(0.2)
Total other expense, net	(204.0)	(9.5)	(278.4)	(12.9)
Income before income taxes	216.2	10.1	150.6	7.0
Income tax benefit (expense)	298.0	13.9	(47.6)	(2.2)
Net income	\$ 514.2	24.0%	\$ 103.0	4.8%

Net sales

Net sales for the year ended December 31, 2012 were \$2,141.8 million compared to \$2,162.8 million for the year ended December 31, 2011, a decrease of 1.0%. The decrease was principally driven by a decrease in net sales of \$123.0 million, or 44%, of North America off-highway products driven by lower demand from natural gas fracturing applications due to weakness in natural gas pricing, a decrease in net sales of \$19.0 million, or 14%, for North America hybrid-propulsion systems for transit buses primarily driven by lower municipal spending and a decrease in net sales of \$6.0 million, or 2%, for parts and other products, partially offset by a \$99.0 million, or 10%, increase in net sales of global on-highway commercial products and a \$27.0 million, or 31%, increase in net sales of outside North America off-highway products. See “Trends Impacting Our Business” above for additional information on net sales by end markets.

Gross profit

Gross profit for the year ended December 31, 2012 was \$954.3 million compared to \$954.5 million for the year ended December 31, 2011. The decrease was principally driven by \$29.0 million related to decreased sales and \$7.7 million related to the fourth quarter 2012 UAW Local 933 contract signing bonus, partially offset by \$20.0 million of price increases on certain products, \$13.0 million of favorable material costs and \$3.5 million attributable to improved manufacturing performance.

Selling, general and administrative expenses

Selling, general and administrative expenses for the year ended December 31, 2012 were \$419.0 million compared to \$409.1 million for the year ended December 31, 2011, an increase of 2.4%. The increase was principally driven by \$9.4 million related to the DPIM extended coverage program, \$8.0 million of unfavorable product warranty adjustments from prior period estimates, \$7.2 million of higher product warranty expense and \$1.0 million related to the fourth quarter 2012 UAW Local 933 contract signing bonus, partially offset by \$9.0 million of lower incentive compensation expense and reduced global commercial spending activities.

Engineering - research and development

Engineering expenses for the year ended December 31, 2012 were \$115.1 million compared to \$116.4 million for the year ended December 31, 2011, a decrease of 1.1%. The decrease was principally driven by lower product initiatives spending, partially offset by an increase of \$2.1 million related to certain technology-related license expenses and \$0.1 million related to the fourth quarter 2012 UAW Local 933 contract signing bonus.

Interest expense, net

Interest expense, net for the year ended December 31, 2012 was \$151.2 million compared to \$217.3 million for the year ended December 31, 2011, a decrease of 30.4%. The decrease was principally driven by \$52.4 million of lower interest expense as a result of debt repayments and purchases, and a \$32.5 million decrease in mark-to-market expense for our interest rate derivatives, partially offset by \$10.0 million of higher interest expense primarily due to the effectiveness of \$700.0 million of new interest rate swaps at higher interest rates, and \$8.3 million of higher interest expense primarily driven by higher interest rates and \$0.5 million of higher deferred financing fees due to refinancing ATI's Senior Secured Credit Facility Term B-1 Loan due 2014 ("Term B-1 Loan").

Premiums and expenses on tender offer for long-term debt

In May 2011, we completed a cash tender offer to purchase any and all of our Senior Toggle Notes. The tender offer resulted in us purchasing \$468.1 million of \$505.3 million of our outstanding Senior Toggle Notes with premiums and expenses totaling \$56.9 million.

Other expense, net

Other expense, net for the year ended December 31, 2012 was (\$52.8) million compared to (\$4.2) million for the year ended December 31, 2011. The increase was principally driven by a \$16.0 million payment to terminate the services agreement with the Sponsors, a \$14.4 million impairment of technology-related investments, a \$6.1 million increase in premiums and expenses related to redemptions of long-term debt, \$6.1 million of fees and expenses related to our IPO, \$4.1 million of decreased Grant Program income, a \$3.7 million favorable vendor settlement in 2011, \$2.3 million related to the hourly pension plan settlement and \$1.2 million of lower miscellaneous income, partially offset by \$4.1 million of favorable foreign currency exchange and \$1.2 million of higher gains on derivative contracts.

Income tax benefit (expense)

Income tax benefit for the year ended December 31, 2012 was \$298.0 million compared to an income tax expense of (\$47.6) million for the year ended December 31, 2011, resulting in an effective tax rate of 137.8% for the year ended December 31, 2012 versus an effective tax rate of (31.6%) for the year ended December 31, 2011. The change in effective tax rate was principally driven by the release of our valuation allowance on our deferred tax assets in the second quarter of 2012. Management determined, based on the evaluation of both objective and subjective evidence available, that a valuation allowance was no longer necessary and that it is more likely than not that the deferred tax assets are fully realizable.

Liquidity and Capital Resources

We generate cash primarily from our operating activities. We had total available cash and cash equivalents of \$184.7 million and \$80.2 million as of December 31, 2013 and 2012, respectively. Of the available cash and cash equivalents, approximately \$179.7 million and \$75.2 million were deposited in operating accounts while approximately \$5.0 million and \$5.0 million were invested in U.S. government backed securities as of December 31, 2013 and 2012, respectively. We expect to meet our domestic funding needs through available cash and credit in the United States and currently do not anticipate repatriating any cash to meet these needs.

Additionally, we had \$395.0 million and \$372.1 million available under the revolving credit facility, net of approximately \$15.0 million and \$27.9 million in letters of credit issued and outstanding as of December 31, 2013 and 2012, respectively. Throughout the year ended December 31, 2013, we made periodic withdrawals on our revolving credit facility as part of our debt management plans. The maximum amount outstanding at any time on the revolving credit facility was \$20.0 million, and all balances were repaid within the quarter they were borrowed. As of December 31, 2013 and 2012, we had no outstanding borrowings on our revolving credit facility.

In March 2012, ATI entered into an amendment with the term loan lenders under its Senior Secured Credit Facility to extend the maturity of approximately \$801.1 million in principal amount of the Term B-1 Loan from August 2014 to August 2017 and to increase the applicable margin at our option to either (a) 3.50% over the LIBOR or (b) 2.50% over the greater of the prime lending rate provided by the British Banking Association or the federal funds effective rate published by the Federal Reserve Bank of New York plus 0.50%.

In August 2012, ATI entered into an amendment with the term loan lenders under its Senior Secured Credit Facility to extend the maturity of approximately \$850.0 million in principal amount of the Term B-1 Loan from August 2014 to August 2019 and to increase the applicable margin at our option to either (a) 3.25% or 3.00%, subject to our total leverage ratio, over the LIBOR (which may not be less than 1.00%) or (b) 2.25% or 2.00%, subject to our total leverage ratio, over the greater of the prime lending rate provided by the British Banking Association or the federal funds effective rate published by the Federal Reserve Bank of New York plus 0.50% (which may not be less than 2.00%).

In October 2012, ATI entered into an amendment with the term loan lenders under its Senior Secured Credit Facility to extend the maturity of \$300.0 million of the Term B-1 Loan from August 2014 to August 2019 and to increase the applicable margin at our option to either (a) 3.25% or 3.00%, subject to our total leverage ratio, over the LIBOR (which may not be less than 1.00%) or (b) 2.25% or 2.00%, subject to our total leverage ratio, over the greater of the prime lending rate provided by the British Banking Association or the federal funds effective rate published by the Federal Reserve Bank of New York (but not less than 2.00%).

In February 2013, ATI entered into an amendment with the term loan lenders under its Senior Secured Credit Facility to refinance the entire outstanding principal amount of our Term B-2 Loan to reduce the applicable margin for such term loans at our option to either (a) 3.00% over the LIBOR or (b) 2.00% over the greater of the prime lending rate provided by the British Banking Association or the federal funds effective rate published by the Federal Reserve Bank of New York. In February 2013, ATI also entered into an additional amendment with the term loan lenders under its Senior Secured Credit Facility to extend the maturity of approximately \$411.4 million in principal amount of the Term B-1 Loan from August 2014 to August 2017 and to increase the applicable margin at our option to either (a) 3.00% over the LIBOR or (b) 2.00% over the greater of the prime lending rate provided by the British Banking Association or the federal funds effective rate published by the Federal Reserve Bank of New York plus 0.50%.

In August 2013, ATI entered into an amendment with the term loan lenders under its Senior Secured Credit Facility to refinance the entire outstanding principle amount of our Term B-3 Loan to reduce the applicable margin for such term loans at our option to either (a) 2.75% or 2.50%, subject to our total leverage ratio, over the LIBOR (which may not be less than 1.00%) or (b) 1.75% or 1.50%, subject to our total leverage ratio, over the greater of the prime lending rate provided by the British Banking Association or the federal funds effective rate published by the Federal Reserve Bank of New York plus 0.50% (which may not be less than 2.00%).

In December 2013, ATI entered into an amendment with the term loan lenders under its Senior Secured Credit Facility to extend the maturity of \$650.0 million of term loan debt from August 2017 to August 2019 and to reduce the applicable margin at our option to either (a) 2.75% or 2.50%, subject to our total leverage ratio, over the LIBOR (which may not be less than 1.00%) or (b) 1.75% or 1.50%, subject to our total leverage ratio, over the greater of the prime lending rate provided by the British Banking Association or the federal funds effective rate published by the Federal Reserve Bank of New York plus 0.50% (which may not be less than 2.00%). The amendment also extended the maturity of the revolving credit facility to January 2019, increased the borrowing capacity to \$410.0 million, reduced the applicable margin to either 2.25%, 2.00% or 1.75% on LIBOR loans or 1.25%, 1.00% or 0.75% on Base Rate loans, subject to our total leverage ratio, reduced the commitment fee to either 0.375% or 0.25%, subject to our total leverage ratio, and increased the letters of credit sublimit to \$75.0 million. Lastly, the amendment changed the requirement of the maximum total senior secured leverage ratio, so that it is only applicable to the revolving portion of the Senior Secured Credit Facility and is tested only when revolving commitments (including letters of credit) remain outstanding at the end of any fiscal quarter. The amendment to the term loans was treated as a modification of debt under GAAP, and thus we expensed \$0.5 million of deferred financing fees and recorded \$10.1 million of new deferred financing fees in the consolidated financial statements. The amendment to the revolving portion of the Senior Secured Credit Facility was treated as a modification of debt under GAAP, and thus we expensed \$0.4 million of deferred financing fees and recorded \$2.1 million of new deferred financing fees in the consolidated financial statements.

Our principal uses of cash are operating expenses, capital expenditures, debt service, dividends on common stock and working capital needs. The following table shows our sources and uses of funds for the years ended December 31, 2013, 2012 and 2011 (in millions):

<i>Statement of Cash Flows Data</i>	Year ended December 31,		
	2013	2012	2011
Cash flows provided by operating activities	\$ 453.5	\$ 497.5	\$ 469.2
Cash flows used for investing activities	(81.5)	(138.7)	(55.9)
Cash flows used for financing activities	(277.5)	(593.5)	(369.9)

Generally, cash provided by operating activities has been adequate to fund our operations. Due to fluctuations in our cash flows and the growth in our operations, it may be necessary from time to time in the future to borrow under the Senior Secured Credit Facility to meet cash demands. We anticipate cash provided by operating activities, cash and cash equivalents and borrowing capacity under the Senior Secured Credit Facility will be sufficient to meet our cash requirements for the next twelve months.

Cash provided by operating activities

Operating activities for the year ended December 31, 2013 generated \$453.5 million of cash compared to \$497.5 million for the year ended December 31, 2012. The decrease was principally driven by decreased net sales, higher accounts receivable principally driven by lower accounts receivable at the end of 2012 as a result of earlier than expected receipts and lower other liabilities, net; partially offset by higher accounts payable principally driven by lower accounts payable at the end of 2012 as a result of labor negotiations planning, decreased spending commensurate with reduced global commercial and product initiatives spending, lower cash interest expense and lower cash income taxes.

Operating activities for the year ended December 31, 2012 generated \$497.5 million of cash compared to \$469.2 million for the year ended December 31, 2011. The increase was primarily driven by lower interest expense, lower accounts receivable commensurate with decreased net sales and decreased spending commensurate with reduced global commercial activities, partially offset by lower accounts payable commensurate with decreased net sales and increased other expense, net.

Cash used for investing activities

Investing activities for the year ended December 31, 2013 used \$81.5 million of cash compared to \$138.7 million for the year ended December 31, 2012. The decrease was principally driven by a decrease of \$49.5 million in capital expenditures and a decrease of \$5.6 million in investments in technology-related initiatives. The decrease in capital expenditures was principally driven by the 2012 expansion of our India facility and lower product initiatives spending.

Investing activities for the year ended December 31, 2012 used \$138.7 million of cash compared to \$55.9 million for the year ended December 31, 2011. The increase was primarily driven by a 2011 reduction in collateral requirements of \$39.6 million related to certain of our interest rate derivatives, an increase of \$27.0 million in capital expenditures, a \$14.4 million investment in technology-related initiatives and the 2011 proceeds related to the sale of property. The increase in capital expenditures was attributable to the continued expansion of our India facility, higher product initiatives spending and increased investments in productivity and replacement programs, partially offset by the 2011 construction of our Hungarian manufacturing facility. The India expansion project was completed and production commenced during the third quarter of 2012.

Cash used for financing activities

Financing activities for the year ended December 31, 2013 used \$277.5 million of cash compared to \$593.5 million for the year ended December 31, 2012. The decrease was principally driven by 2012 redemptions of \$326.9 million of ATI's 11.0% senior cash pay notes due November 2015, \$103.0 million of decreased principal payments on ATI's Senior Secured Credit Facility, \$17.3 million of increased proceeds from the exercise of stock options, \$8.4 million of increased tax benefits from stock based compensation and \$5.3 million of decreased debt financing fees, partially offset by \$99.5 million related to the repurchase of our common stock in connection with the August 2013 secondary offering by our Sponsors and \$44.3 million of increased dividend payments.

Financing activities for the year ended December 31, 2012 used \$593.5 million of cash compared to \$369.9 million for the year ended December 31, 2011. The increase was primarily driven by \$217.4 million of increased payments, repurchases and redemptions of our long-term debt, \$32.8 million of dividend payments in 2012, \$20.2 million of payments related to extending a portion of the Senior Secured Credit Facility, and a \$2.5 million principal payment on our Japanese Yen denominated unsecured short-term notes, partially offset by \$15.0 million of 2011 debt issuance costs and \$29.0 million related to the issuance of common stock in 2012.

Our liquidity requirements are significant, primarily due to our debt service requirements. A one-eighth percent change in assumed interest rates for the Senior Secured Credit Facility, if fully drawn, as of December 31, 2013 would have no impact on interest expense due to the 1.00% LIBOR floor on our Term B-3 Loan and partial offset of our interest rate swaps. Our ability to make payments on and to refinance our indebtedness, and to fund planned capital expenditures will depend on our ability to generate cash in the future. This is subject to general economic, financial, competitive, legislative, regulatory and other factors that may be beyond our control.

In addition, we made principal payments of \$142.4 million, \$245.4 million and \$90.5 million on the Senior Secured Credit Facility for the years ended December 31, 2013, 2012 and 2011, respectively. The principal payments made on the Senior Secured Credit Facility for the years ended December 31, 2013, 2012 and 2011 resulted in losses of \$0.8 million, \$1.3 million and \$0.6 million associated with the write off of related deferred debt financing fees, respectively.

The revolving portion of the Senior Secured Credit Facility requires us to maintain a specified maximum total senior secured leverage ratio of 5.50x when revolving commitments (including letters of credit) remain outstanding at the end of a fiscal quarter. As of December 31, 2013, we were in compliance with the maximum total senior secured leverage ratio, achieving a 3.23x ratio. Within the terms of the Senior Secured Credit Facility, a senior secured leverage ratio at or below 3.50x results in the elimination of excess cash flow payments on the Senior Secured Credit Facility for the applicable year. Additionally, the Senior Secured Credit Facility provides certain financial incentives based on our total leverage ratio. A total leverage ratio at or below 4.00x results in a 25 basis point reduction to the applicable margin on our revolving credit facility, and a total leverage ratio at or below 3.50x results in a 12.5 basis point reduction to the revolving credit facility commitment fee and an additional 25 basis point reduction to the applicable margin on our revolving credit facility. A total leverage ratio at or below 3.25x results in a 25 basis point reduction to the applicable margin on our Term B-3 Loan. These reductions would remain in effect as long as we achieve a total leverage ratio at or below the related threshold. As of December 31, 2013, the total leverage ratio was 3.98x.

In addition to the maximum total secured leverage ratio for the revolving portion of the Senior Secured Credit Facility, the Senior Secured Credit Facility and the indenture governing the 7.125% Senior Notes include, among other things, customary restrictions (subject to certain exceptions) on our ability to incur certain indebtedness or liens, make certain investments or declare or pay certain dividends. As of December 31, 2013, we are in compliance with all covenants under the Senior Secured Credit Facility.

To manage interest rate risk associated with our variable rate debt, we currently have eleven interest rate swap contracts as of December 31, 2013 that qualify as derivatives under authoritative accounting guidance for derivative instruments and hedging activities. Our interest rate swaps do not qualify for hedge accounting treatment and, as a result, fair value adjustments are charged directly to interest expense in the Consolidated Statements of Comprehensive Income included in Part II, Item 8, of this Annual Report on Form 10-K. For the years ended December 31, 2013, 2012 and 2011, gains (loss) related to fair value adjustments were \$34.3 million, \$25.5 million and (\$7.0) million, respectively. All contracts are used strictly as an economic hedge and not for speculative purposes.

As of December 31, 2013, certain of our interest rate derivatives contain credit-risk and collateral contingent features. Certain interest rate derivatives contain provisions under which downgrades in our credit rating could require us to increase our collateral. Certain interest rate derivatives also contain provisions under which we may be required to post additional collateral if LIBOR reaches certain levels. As of December 31, 2013, we have been required to post collateral of \$1.7 million in cash and \$5.0 million in letters of credit as a result of changes in interest rates. We may be required to post additional collateral until the LIBOR curve reaches zero.

Assuming all collateral contingent features remain the same, a 1% increase or decrease in the LIBOR interest rate curve as of December 31, 2013 would reduce our collateral requirement by approximately \$1.2 million or increase our collateral requirement by approximately \$1.2 million, respectively, in a combination of cash and letters of credit.

Description of the Senior Secured Credit Facility and Senior Notes

Refer to NOTE 7, "Debt" in Part II, Item 8, of this Annual Report on Form 10-K.

Contractual Obligations, Contingent Liabilities and Commitments

The following table summarizes our contractual obligations as of December 31, 2013 (dollars in millions):

	Payments due by period				
	Total	Less than 1 year	1-3 years	3-5 years	More than 5 years
7.125% Senior Notes(1)	\$ 655.9	\$ 33.5	\$ 67.2	\$ 67.2	\$ 488.0
Senior Secured Credit Facility(2)	2,644.5	97.9	193.7	595.5	1,757.4
Operating leases	10.8	4.6	3.7	0.9	1.6
Pension & OPEB liabilities(3)	36.5	10.9	15.8	9.8	see (3) below
Total(4)	\$3,347.7	\$ 146.9	\$280.4	\$673.4	\$ 2,247.0

- (1) 7.125% Senior Notes include principal and interest payments based on a fixed interest rate of 7.125%.
- (2) Senior Secured Credit Facility includes principal payments and estimated interest payments excluding the effects of our interest rate swaps. A portion of the interest is at a variable rate and for the purposes of this table has been calculated using LIBOR as of December 31, 2013, plus the applicable margin of each loan, resulting in an applied rate of 3.17% for Term B-2 Loan and 3.75% for Term B-3 Loan. Actual payments will vary.
- (3) Estimated pension funding and post-retirement benefit payments are based on an increasing discount rate and effective interest rate for funding purposes between 4.8% - 6.0%. Pension funding and post-retirement benefit payments are excluded from the table beyond year 5, though we expect funding and payments to continue beyond year 5. See NOTE 13 of Notes to Consolidated Financial Statements included in Part II, Item 8, of this Annual Report on Form 10-K for the funding status of our pension plans and other post-retirement plan as of December 31, 2013.
- (4) Estimated warranty obligations, sales allowance programs and defense price reduction reserves, which total \$90.5 million, \$26.9 million and \$49.6 million, respectively, as of December 31, 2013 have been excluded from this table as timing of any payments are uncertain.

ITEM 7A. Quantitative and Qualitative Disclosures About Market Risk

Our exposure to market risk consists of changes in interest rates, foreign currency rate fluctuations and movements in commodity prices.

Interest Rate Risk

We are subject to interest rate market risk in connection with a portion of our long-term debt. Our principal interest rate exposure relates to outstanding amounts under our Senior Secured Credit Facility. Our Senior Secured Credit Facility provides for variable rate borrowings of up to \$2,602.0 million including \$395.0 million under our revolving credit facility, net of \$15.0 million of letters of credit. A one-eighth percent change in assumed interest rates for the Senior Secured Credit Facility, if fully drawn, as of December 31, 2013 would have no impact on interest expense due to the 1.00% LIBOR floor on our Term B-3 Loan and partial offset of our interest rate swaps. As of December 31, 2013, we had no outstanding borrowings against the revolving credit facility.

From time to time, we enter into interest rate swap agreements to hedge our variable interest rate debt. Below is a list of our interest rate swaps as of December 31, 2013:

	Counterparty	Effective Date	Notional Amount (in millions)	LIBOR Fixed Rate
Interest Rate Swap H	Barclays Capital	2011-2014	\$ 350.0	3.75%
Interest Rate Swap I	Deutsche Bank	2011-2014	\$ 350.0	3.77%
Interest Rate Swap J	UBS	2013-2014	\$ 125.0	2.96%
Interest Rate Swap K	UBS	2013-2014	\$ 125.0	3.05%
Interest Rate Swap L	Barclays	2016-2019	\$ 75.0	3.44%*
Interest Rate Swap M	JP Morgan	2016-2019	\$ 100.0	3.43%*
Interest Rate Swap N	Bank of America	2016-2019	\$ 75.0	3.37%*
Interest Rate Swap O	Deutsche Bank	2016-2019	\$ 75.0	3.19%*
Interest Rate Swap P	Barclays	2016-2019	\$ 75.0	3.08%*
Interest Rate Swap Q	Barclays	2016-2019	\$ 50.0	2.99%*
Interest Rate Swap R	Deutsche Bank	2016-2019	\$ 50.0	2.98%*

* include LIBOR floor of 1.00%

In certain circumstances, we and the counterparty are required to provide additional collateral under these swaps. We are exposed to increased interest expense if a counterparty defaults. Refer to NOTE 7 and NOTE 8 of Notes to Consolidated Financial Statements included in Part II, Item 8, of this Annual Report on Form 10-K.

Exchange Rate Risk

While our net sales and costs are denominated primarily in U.S. Dollars, net sales, costs, assets and liabilities are generated in other currencies including Japanese Yen, Euro, Indian Rupee, Brazilian Real, Chinese Yuan Renminbi, Canadian Dollar and Hungarian Forint. The expansion of our business outside North America may further increase the risk that cash flows resulting from these activities may be adversely affected by changes in currency exchange rates. As of December 31, 2013, we hold hedging contracts in the Japanese Yen, which are intended to hedge either known or forecasted cash flow payments denominated in the currency. We do not hold financial instruments for trading or speculative purposes.

Assuming current levels of foreign currency transactions, a 10% aggregate increase or decrease in the Japanese Yen, Euro, Indian Rupee, Chinese Yuan Renminbi and Canadian Dollar would correspondingly change our earnings by an estimated \$4 million per year. This includes the partial offset of our hedging contracts described above. All other exposure to foreign currencies is immaterial.

Commodity Price Risk

We are subject to changes in our cost of sales caused by movements in underlying commodity prices. Approximately two-thirds of our cost of sales consists of purchased components with significant raw material content. A substantial portion of the purchased parts are made of aluminum and steel. The cost of aluminum parts include an adjustment factor on future purchases for fluctuations in aluminum prices based on accepted industry indices. In addition, a substantial amount of steel-based contracts also include an index-based component. As our costs change, we are able to pass through a portion of the changes in commodity prices to certain of our customers according to our LTSAs. We historically have not entered into long-term purchase contracts related to the purchase of aluminum and steel. We currently hold financial forward contracts that are intended to hedge forecasted aluminum purchases. Based on our forecasted demand for 2014 and 2015, as of December 31, 2013, the hedge contracts cover approximately 45% and 25% of our aluminum requirements, respectively. We do not hold financial instruments for trading or speculative purposes.

Assuming current levels of commodity purchases, a 10% increase or decrease in the price of aluminum and steel would correspondingly change our earnings by approximately \$1 million and \$4 million per year, respectively. This includes the partial offset of our hedging contracts described above.

Many of our LTSAs have incorporated a cost-sharing arrangement related to potential future commodity price fluctuations. Our hedging policy is that we only hedge for our exposure and do not hedge any portion of the customers' exposure. For purposes of the sensitivity analysis above, the impact of these cost-sharing arrangements have not been included.

ITEM 8. Financial Statements and Supplementary Data

Report of Independent Registered Public Accounting Firm

To the Board of Directors and Stockholders of
Allison Transmission Holdings, Inc.

In our opinion, the accompanying consolidated balance sheets and the related consolidated statements of comprehensive income, of stockholders' equity and of cash flows present fairly, in all material respects, the financial position of Allison Transmission Holdings, Inc. and its subsidiaries at December 31, 2013 and December 31, 2012, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2013 in conformity with accounting principles generally accepted in the United States of America. In addition, in our opinion, the financial statement schedule listed in the index appearing under Item 15(a)(2) presents fairly, in all material respects, the information set forth therein when read in conjunction with the related consolidated financial statements. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2013, based on criteria established in *Internal Control - Integrated Framework* (1992) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). The Company's management is responsible for these financial statements and financial statement schedule, for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in Management's Report on Internal Control Over Financial Reporting appearing under Item 9A. Our responsibility is to express opinions on these financial statements, on the financial statement schedule, and on the Company's internal control over financial reporting based on our audits (which was an integrated audit in 2013). We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement and whether effective internal control over financial reporting was maintained in all material respects. Our audits of the financial statements included examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ PricewaterhouseCoopers LLP
Indianapolis, Indiana
February 24, 2014

Allison Transmission Holdings, Inc.
Consolidated Balance Sheets
(dollars in millions, except share data)

	December 31, 2013	December 31, 2012
ASSETS		
Current Assets		
Cash and cash equivalents	\$ 184.7	\$ 80.2
Accounts receivable — net of allowance for doubtful accounts of \$0.4 and \$0.9, respectively	175.1	165.0
Inventories	160.4	157.1
Deferred income taxes, net	58.1	55.3
Other current assets	28.6	32.7
Total Current Assets	<u>606.9</u>	<u>490.3</u>
Property, plant and equipment, net	563.4	596.2
Intangible assets, net	1,610.8	1,716.1
Goodwill	1,941.0	1,941.0
Deferred income taxes, net	1.1	32.3
Other non-current assets	89.4	90.1
TOTAL ASSETS	<u>\$ 4,812.6</u>	<u>\$ 4,866.0</u>
LIABILITIES		
Current Liabilities		
Accounts payable	\$ 150.4	\$ 133.1
Product warranty liability	37.4	36.2
Current portion of long-term debt	17.9	19.5
Deferred revenue	29.2	21.6
Other current liabilities	152.3	167.4
Total Current Liabilities	<u>387.2</u>	<u>377.8</u>
Product warranty liability	53.1	73.5
Deferred revenue	43.2	42.6
Long-term debt	2,660.4	2,801.3
Deferred income taxes	76.2	0.1
Other non-current liabilities	153.7	213.8
TOTAL LIABILITIES	<u>3,373.8</u>	<u>3,509.1</u>
Commitments and contingencies (see NOTE 17)		
STOCKHOLDERS' EQUITY		
Common stock, \$0.01 par value, 1,880,000,000 shares authorized, 183,375,436 issued and outstanding	1.8	1.8
Non-voting common stock, \$0.01 par value, 20,000,000 shares authorized, 1,185 issued and outstanding	0.0	0.0
Preferred stock, \$0.01 par value, 100,000,000 shares authorized, none issued and outstanding	—	—
Treasury stock	—	(0.2)
Paid in capital	1,631.8	1,601.5
Accumulated deficit	(173.8)	(202.3)
Accumulated other comprehensive loss, net of tax	(21.0)	(43.9)
TOTAL STOCKHOLDERS' EQUITY	<u>1,438.8</u>	<u>1,356.9</u>
TOTAL LIABILITIES & STOCKHOLDERS' EQUITY	<u>\$ 4,812.6</u>	<u>\$ 4,866.0</u>

The accompanying notes are an integral part of the consolidated financial statements.

Allison Transmission Holdings, Inc.
Consolidated Statements of Comprehensive Income
(dollars in millions, except per share data)

	Year ended December 31,		
	2013	2012	2011
Net sales	\$1,926.8	\$2,141.8	\$2,162.8
Cost of sales	1,084.9	1,187.5	1,208.3
Gross profit	841.9	954.3	954.5
Selling, general and administrative expenses	334.9	419.0	409.1
Engineering — research and development	97.1	115.1	116.4
Operating income	409.9	420.2	429.0
Interest income	0.8	0.9	0.9
Interest expense	(133.7)	(152.1)	(218.2)
Premiums and expenses on tender offer for long-term debt	—	—	(56.9)
Other expense, net	(10.9)	(52.8)	(4.2)
Income before income taxes	266.1	216.2	150.6
Income tax (expense) benefit	(100.7)	298.0	(47.6)
Net income	\$ 165.4	\$ 514.2	\$ 103.0
Basic earnings per share attributable to common stockholders	\$ 0.90	\$ 2.83	\$ 0.57
Diluted earnings per share attributable to common stockholders	\$ 0.88	\$ 2.76	\$ 0.56
Dividends per common share	\$ 0.42	\$ 0.18	—
Other comprehensive (loss) income, net of tax:			
Foreign currency translation	(5.0)	(0.7)	(11.6)
Pension and OPEB liability adjustment	29.0	15.1	(22.6)
Available-for-sale securities	(1.1)	(1.3)	3.2
Total other comprehensive income (loss), net of tax	22.9	13.1	(31.0)
Comprehensive income	\$ 188.3	\$ 527.3	\$ 72.0

The accompanying notes are an integral part of the consolidated financial statements.

Allison Transmission Holdings, Inc.
Consolidated Statements of Cash Flows
(dollars in millions)

	Year ended December 31,		
	2013	2012	2011
CASH FLOWS FROM OPERATING ACTIVITIES:			
Net income	\$ 165.4	\$ 514.2	\$ 103.0
Adjustments to reconcile net income to net cash provided by operating activities:			
Amortization of intangible assets	105.3	150.0	151.9
Depreciation of property, plant and equipment	98.7	102.5	103.8
Premiums and expenses on tender offer for long-term debt	—	—	56.9
Deferred income taxes	98.0	(303.8)	39.8
Unrealized (gain) loss on derivatives	(32.8)	(26.2)	13.9
Stock-based compensation	13.7	6.4	8.0
Excess tax benefit from stock-based compensation	(13.7)	(5.3)	—
Amortization of deferred financing fees	10.9	14.5	12.1
Impairment loss on investments in technology-related initiatives	5.0	14.4	—
Loss on intercompany foreign exchange	2.3	—	—
Loss on repurchases and redemptions of long-term debt	0.8	22.1	16.0
Loss on re-measurement of employee benefit plans	—	2.3	—
Other	(0.2)	(0.2)	(1.4)
Changes in assets and liabilities:			
Accounts receivable	(9.9)	29.9	(25.0)
Inventories	(4.4)	(1.8)	(11.0)
Accounts payable	17.6	(29.4)	24.9
Other assets and liabilities	(3.2)	7.9	(23.7)
Net cash provided by operating activities	453.5	497.5	469.2
CASH FLOWS FROM INVESTING ACTIVITIES:			
Additions of long-lived assets	(74.4)	(123.9)	(96.9)
Investments in technology-related initiatives	(8.8)	(14.4)	—
Collateral for interest rate derivatives	1.2	(1.0)	38.6
Proceeds from disposal of assets	0.5	0.6	2.4
Net cash used for investing activities	(81.5)	(138.7)	(55.9)
CASH FLOWS FROM FINANCING ACTIVITIES:			
Repurchase of common stock	(99.5)	—	—
Issuance of long-term debt	—	—	500.0
Debt issuance costs	—	—	(15.0)
Debt financing fees	(14.9)	(20.2)	—
Repurchases and redemptions of long-term debt	—	(326.9)	(764.4)
Payments on long-term debt	(142.4)	(245.4)	(90.5)
Dividend payments	(77.1)	(32.8)	—
Proceeds from exercise of stock options	46.3	29.0	—
Taxes paid related to net share settlement of equity awards	(3.6)	—	—
Payments on notes payable	—	(2.5)	—
Excess tax benefit from stock-based compensation	13.7	5.3	—
Net cash used for financing activities	(277.5)	(593.5)	(369.9)
Effect of exchange rate changes on cash	10.0	0.9	18.4
Net increase (decrease) in cash and cash equivalents	104.5	(233.8)	61.8
Cash and cash equivalents at beginning of period	80.2	314.0	252.2
Cash and cash equivalents at end of period	<u>\$ 184.7</u>	<u>\$ 80.2</u>	<u>\$ 314.0</u>
Supplemental disclosures:			
Interest paid	\$ 159.2	\$ 167.3	\$ 208.6
Income taxes paid	\$ 3.8	\$ 10.7	\$ 5.8

The accompanying notes are an integral part of the consolidated financial statements.

Allison Transmission Holdings, Inc.
Consolidated Statements of Stockholders' Equity
(dollars in millions)

	Common Stock	Non- voting Common Stock	Preferred Stock	Treasury Stock	Paid-in Capital	Accumulated Deficit	Accumulated Other Comprehensive Income (Loss), net of tax	Stockholders' Equity
Balance at December 31, 2010	\$ 1.8	\$ —	\$ —	\$ (0.2)	\$1,552.8	\$ (786.7)	\$ (26.0)	\$ 741.7
Stock-based compensation	—	—	—	—	8.0	—	—	8.0
Pension and OPEB liability adjustment	—	—	—	—	—	—	(22.6)	(22.6)
Foreign currency translation adjustment	—	—	—	—	—	—	(11.6)	(11.6)
Available-for-sale securities	—	—	—	—	—	—	3.2	3.2
Net income	—	—	—	—	—	103.0	—	103.0
Balance at December 31, 2011	\$ 1.8	\$ —	\$ —	\$ (0.2)	\$1,560.8	\$ (683.7)	\$ (57.0)	\$ 821.7
Stock-based compensation	—	—	—	—	6.4	—	—	6.4
Pension and OPEB liability adjustment	—	—	—	—	—	—	15.1	15.1
Foreign currency translation adjustment	—	—	—	—	—	—	(0.7)	(0.7)
Available-for-sale securities	—	—	—	—	—	—	(1.3)	(1.3)
Issuance of common stock	0.0	—	—	—	29.0	—	—	29.0
Dividends on common stock	—	—	—	—	—	(32.8)	—	(32.8)
Excess tax benefit from stock-based compensation	—	—	—	—	5.3	—	—	5.3
Net income	—	—	—	—	—	514.2	—	514.2
Balance at December 31, 2012	\$ 1.8	\$ —	\$ —	\$ (0.2)	\$1,601.5	\$ (202.3)	\$ (43.9)	\$ 1,356.9
Stock-based compensation	—	—	—	—	13.7	—	—	13.7
Pension and OPEB liability adjustment	—	—	—	—	—	—	29.0	29.0
Foreign currency translation adjustment	—	—	—	—	—	—	(5.0)	(5.0)
Available-for-sale securities	—	—	—	—	—	—	(1.1)	(1.1)
Issuance of common stock	0.0	—	—	—	42.6	—	—	42.6
Repurchase of common stock	(0.0)	—	—	—	(39.7)	(59.8)	—	(99.5)
Retirement of treasury stock	—	—	—	0.2	—	—	—	0.2
Dividends on common stock	—	—	—	—	—	(77.1)	—	(77.1)
Excess tax benefit from stock-based compensation	—	—	—	—	13.7	—	—	13.7
Net income	—	—	—	—	—	165.4	—	165.4
Balance at December 31, 2013	\$ 1.8	\$ —	\$ —	\$ —	\$1,631.8	\$ (173.8)	\$ (21.0)	\$ 1,438.8

The accompanying notes are an integral part of the consolidated financial statements.

Notes to Consolidated Financial Statements

NOTE 1. OVERVIEW

Overview

Allison Transmission Holdings, Inc. and its subsidiaries (the “Company,” “we” or “Allison”), design and manufacture commercial and defense fully-automatic transmissions.

The business was founded in 1915 and has been headquartered in Indianapolis, Indiana since inception. The Company has approximately 2,700 employees and 13 different transmission product lines. Although approximately 77% percent of revenues were generated in North America in 2013, the Company has a global presence by serving customers in Europe, Asia, South America and Africa. The Company serves customers through an independent network of approximately 1,400 independent distributor and dealer locations worldwide.

Since the introduction of the Company’s first fully-automatic transmission over 60 years ago, the Company’s products have gained acceptance in a wide variety of applications, including on-highway trucks (distribution, refuse, construction, fire and emergency), buses (primarily school, transit and hybrid-transit), motorhomes, off-highway vehicles and equipment (primarily energy, mining and construction) and defense vehicles (wheeled and tracked). The Company has developed over 100 different product models that are used in more than 2,500 different vehicle configurations, which are compatible with more than 500 combinations of engine brands, models and ratings. The Company also sells support equipment and Allison-branded replacement parts for the Company’s transmissions and remanufactured transmissions for use in the vehicle aftermarket.

History

The Company was formerly known as Allison Transmission (the “Predecessor”), an operating unit of General Motors Corporation, which, in the course of its bankruptcy proceeding was renamed Motors Liquidation Company (“Old GM”). On August 7, 2007, substantially all of the assets and liabilities of the Predecessor were acquired by the Company, under an Asset Purchase Agreement (the “Asset Purchase Agreement”) dated June 28, 2007 and entered into between Clutch Operating Company, Inc., a Delaware corporation owned by investment funds affiliated with The Carlyle Group and Onex Corporation (collectively, the “Sponsors”), and Old GM, the direct parent of the Predecessor, pursuant to which the Company acquired certain equity interests of, and certain assets and liabilities held by, direct and indirect operating subsidiaries of Old GM (the “Acquisition Transaction”). After completion of the Acquisition Transaction, Clutch Holdings, Inc., changed its name to Allison Transmission Holdings, Inc. and Clutch Operating Company, Inc. changed its name to Allison Transmission, Inc. (“ATI”).

In July 2009, General Motors Company (“GM”) emerged from bankruptcy. In August 2009, the Company and GM finalized an agreement, pursuant to which GM assumed certain contracts and agreements between the Company and Old GM, including among others, the Asset Purchase Agreement, certain intellectual property and software license agreements, lease agreements, engineering services agreements, proving grounds use agreements, an employee matters agreement, a contract manufacturing agreement and a hybrid co-branding agreement. GM also assumed certain other commercial contracts, arrangements and purchase orders with the Company in connection with conducting its business.

NOTE 2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Presentation and Principles of Consolidation

The consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States of America (“GAAP”). The information herein reflects all normal recurring material adjustments, which are, in the opinion of management, necessary for the fair presentation of the results for the periods presented. The consolidated financial statements herein consist of all wholly-owned domestic and foreign subsidiaries with all significant intercompany transactions eliminated.

These consolidated financial statements present the results of operations, financial position, cash flows and statements of equity. Certain immaterial reclassifications have been made in the consolidated financial statements of prior periods to conform to the current period presentation. These reclassifications have no impact on previously reported net income, total stockholders’ equity or cash flows.

Use of Estimates

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, disclosure of contingent assets and liabilities and the reported amounts of revenue and expenses. These estimates include, but are not limited to, allowance for doubtful accounts, sales allowances, government price adjustments, fair market values and future cash flows associated with goodwill, indefinite-life intangibles, long-lived asset impairment tests, useful lives for depreciation and amortization, warranty liability, determination of discount rate and other assumptions for pension and other postretirement benefit expense, income taxes, lease classification, derivative valuation, and contingencies. The Company’s accounting policies involve the application of judgments and assumptions made by management that include inherent risks and uncertainties. Actual results could differ materially from these estimates. Changes in estimates are recorded in results of operations in the period that the events or circumstances giving rise to such changes occur.

Segment Reporting

In accordance with the Financial Accounting Standards Board (“FASB”) authoritative accounting guidance on segment reporting, the Company has one operating segment and reportable segment. The Company is in one line of business, which is in the manufacturing and distribution of fully-automatic transmissions.

Government Grants

The Company recognizes government grants when there is reasonable assurance that the Company will comply with the conditions attached to the grant arrangement and the funds will be received. When the government grants relate to reimbursement of costs, the grant income is recognized in Other expense, net in the Consolidated Statements of Comprehensive Income. When the government grants relate to a reimbursement of capital expenditures, the grants are recognized as a reduction of the basis of the assets in the Consolidated Balance Sheets.

Cash and Cash Equivalents

Cash equivalents are defined as short-term, highly-liquid investments with original maturities of 90 days or less. Under the Company’s cash management system, checks issued but not presented to banks may result in book overdraft balances for accounting purposes and are classified within Accounts payable in the Consolidated Balance Sheets. The change in book overdrafts is reported as a component of operating cash flows for Accounts payable.

Marketable Securities

The Company determines the appropriate classification of all marketable securities as “held-to-maturity,” “available-for-sale” or “trading” at the time of purchase, and re-evaluates such classifications as of each balance sheet date. As of December 31, 2013, the Company’s marketable securities are classified as either available-for-sale or trading.

Available-for-sale securities are carried at fair value with the unrealized gain or loss reported in Accumulated other comprehensive loss (“AOCL”). Unrealized losses considered to be “other-than-temporary” are recognized in income. Trading securities are carried at fair value with the unrealized gain or loss recognized in Other expense, net. The fair value of the Company’s investment securities is determined by currently available market prices. See NOTE 6 for more details.

Allowance for Doubtful Accounts

The allowance for doubtful trade accounts receivable reflects estimated losses to be incurred in the collection of the receivables. Estimated losses are based on historical collection experience as well as a review by management of the current status of all receivables. Account balances are charged against the allowance after all means of collection have been exhausted and the potential for recovery is considered remote.

Inventories

Inventories are stated at the lower of cost or market. The Company determines cost using the first-in, first-out method. The Company analyzes inventory on a quarterly basis to determine whether it is excess or obsolete inventory. Any decline in carrying value of estimated excess or obsolete inventory is recorded as a reduction of inventory and as an expense included in Cost of sales in the period it is identified.

Property, Plant and Equipment

Property, plant and equipment are recorded at cost less accumulated depreciation. Depreciation expense is recorded using the straight-line method over the following estimated lives:

	<u>Range in Years</u>
Land improvements	5 – 30
Buildings and building improvements	10 – 40
Machinery and equipment	2 – 20
Software	2 – 5
Special tools	2 – 10

Software represents the costs of software developed or obtained for internal use. Software costs are amortized on a straight-line basis over their estimated useful lives. Software assets are reviewed for impairment when events or circumstances indicate that the carrying value may not be recoverable over the remaining lives of the assets. Upgrades and enhancements are capitalized if they result in added functionality, which enables the software to perform tasks it was previously incapable of performing. Software maintenance, training, data conversion and business process reengineering costs are expensed in the period in which they are incurred.

Special tooling represents the costs to design and develop tools, dies, jigs and other items owned by the Company and used in the manufacture of components by suppliers under long-term supply agreements. Special tooling is depreciated over the tool's expected life. Special tooling used in the development of new technology is expensed as incurred. Engineering, testing and other costs incurred in the design and development of production parts are expensed as incurred.

Impairment of Long-Lived Assets

The carrying value of long-lived assets is evaluated whenever events or circumstances indicate that the carrying value of an asset may not be recoverable. Events or circumstances that would result in an impairment review primarily include a significant change in the use of an asset, or the planned sale or disposal of an asset. The asset would be considered impaired when there is no future use planned for the asset or the future net undiscounted cash flows generated by the asset or asset group are less than its carrying value. An impairment loss would be recognized based on the amount by which the carrying value exceeds fair value.

Assumptions and estimates used to determine cash flows in the evaluation of impairment and the fair values used to determine the impairment are subject to a degree of judgment and complexity. Any changes to the assumptions and estimates resulting from changes in actual results or market conditions from those anticipated may affect the carrying value of long-lived assets and could result in an impairment charge.

Goodwill and Other Intangible Assets

Goodwill represents the excess of purchase price paid over the fair value of net assets acquired. In accordance with the FASB's authoritative accounting guidance on goodwill, the Company does not amortize goodwill but rather evaluate it for impairment on an annual basis, or more often if events or circumstances change that could cause goodwill to become impaired. There is one reporting unit which is the same as the Company's one operating and reportable segment. The Company has elected to perform its annual impairment test on October 31 of every year. A multi-step impairment test is performed on goodwill. In Step 0, the Company has the option to evaluate various qualitative factors to determine the likelihood of impairment. If determined that the fair value is more likely than not less than the carrying value, then the Company is required to perform Step 1. If the Company does not elect to perform Step 0, it can voluntarily proceed directly to Step 1. In Step 1, the Company performs a quantitative analysis to compare the fair value of its reporting unit to its carrying value including goodwill. If the fair value of the reporting unit exceeds the carrying value of the net assets assigned to that unit, goodwill is not considered impaired, and the Company is not required to perform further testing. If the carrying value of the net assets assigned to the reporting unit exceeds the fair value of the reporting unit, then the Company must perform Step 2 of the impairment test in order to determine the implied fair value of the reporting unit's goodwill. If the carrying value of a reporting unit's goodwill exceeds its implied fair value, then the Company would record an impairment loss equal to the difference.

After performing a quantitative analysis in 2013, the Company's annual goodwill impairment test indicated that the fair value of the reporting unit exceeded its carrying value by approximately 90%, indicating no impairment. The fair value was determined utilizing a discounted cash flow model which includes key assumptions, such as net sales growth derived from market information, industry reports, marketing programs and future new product introductions; operating margin improvements derived from cost reduction programs and fixed cost leverage driven by higher sales volumes; and a risk-adjusted discount rate. Events or circumstances that could unfavorably impact the key assumptions include lower net sales driven by market conditions, the Company's inability to execute on marketing programs and/or delay in the introduction of new products, lower gross margins as a result of market conditions or failure to obtain forecasted cost reductions, or a higher discount rate as a result of market conditions. While unpredictable and inherently uncertain, management believes the forecast estimates were reasonable and incorporate assumptions that similar market participants would use in their estimates of fair value.

Other intangible assets have both indefinite and finite useful lives. Intangible assets with indefinite useful lives, such as the Company's trade name, are not amortized but are tested annually for impairment. The Company's 2013 annual trade name impairment test indicated that the fair value of the trade name exceeded its carrying value by approximately 8%, indicating no impairment. The fair value was determined utilizing an income approach by which the relief from royalty method was applied. Key assumptions incorporated into the analysis were net sales growth derived from market information, industry reports, marketing programs and new product introductions; and risk-adjusted discount rates. Events or circumstances that could unfavorably impact the key assumptions include lower net sales driven by market conditions, the Company's inability to execute on marketing programs and/or delay in introduction of new products, and higher discount rate as a result of market conditions. While unpredictable and inherently uncertain, management believes the forecast estimates are reasonable and incorporate those assumptions that similar market participants would use in their estimates of fair value. Intangible assets with finite lives are amortized over their estimated useful lives and reviewed for impairment when circumstances change that would create a triggering event. Customer relationships are amortized over the life in which expected benefits are to be consumed. The other remaining finite useful life intangibles are amortized on a straight-line basis over their useful lives. The Company evaluates the remaining useful life of the other intangible assets on a periodic basis to determine whether events or circumstances warrant a revision to the remaining useful life. Assumptions and estimates about future values and remaining useful lives of the Company's intangible and other long-lived assets are complex and subjective. They can be affected by a variety of factors, including external factors such as industry and economic trends, and internal factors, such as changes in the Company's business strategy and internal forecasts. Although management believes the historical assumptions and estimates are reasonable and appropriate, different assumptions and estimates could materially impact the Company's reported financial results.

NOTE 5 provides further information on Goodwill and Other intangible assets.

Deferred Financing Costs

Deferred financing costs are stated at cost as a component of other non-current assets and amortized over the life of the related debt using the effective interest method. Amortization of deferred financing costs is recorded as part of interest expense and totaled \$10.9 million, \$14.5 million and \$12.1 million for the years ended December 31, 2013, 2012 and 2011, respectively.

Financial Instruments

The Company's cash equivalents are invested in U.S. Government backed securities and recorded at fair value in the Consolidated Balance Sheets. The carrying values of accounts receivable and accounts payable approximate fair value due to their short-term nature. The Company's financial derivative instruments, including interest rate swaps and foreign currency and commodity forward contracts are carried at fair value on the Consolidated Balance Sheets. Refer to NOTE 6 for more detail. The Company's long-term debt obligations are carried at historical amounts with the Company providing fair value disclosure in NOTE 7.

Insurable Liabilities

The Company records liabilities for its medical, workers' compensation, long-term disability, product, general and auto liabilities. The determination of these liabilities and related expenses is dependent on claims experience. For most of these liabilities, claims incurred but not yet reported are estimated based upon historical claims experience.

Revenue Recognition

The Company records sales when title has transferred to the customer, there is evidence of an agreement, the sales price is fixed or determinable, delivery has occurred or services have been rendered, and collectability is reasonably assured. The Company sells Extended Transmission Coverage ("ETC") for which sales are deferred. ETC sales are recognized ratably over the period of the ETC, which typically ranges from three to five years after initial sale. Distributor and customer sales incentives, consisting of allowances and other rebates, are estimated at the time of sale based upon the Company's history and experience and are recorded as a reduction to Net sales. Incentive programs are generally product specific or region specific. Some factors used in estimating the cost of incentives include the number of transmissions that will be affected by the incentive program and rate of acceptance of any incentive program. If the actual number of affected transmissions differs from this estimate, or if a different mix of incentives is actually paid, the impact on Net sales would be recorded in the period that the change was identified. Consideration given to commercial customers recorded as a reduction of Net sales in the Consolidated Statements of Comprehensive Income included \$65.2 million, \$59.9 million and \$59.2 million for the years ended December 31, 2013, 2012 and 2011, respectively.

Sales under U.S. government production contracts are recorded when the product is accepted, title has transferred to the U.S. government, the sales price is fixed or determinable, and delivery has occurred. Deferred revenue arises from cash received in advance of the culmination of the earnings process and is recognized as revenue in future periods when the applicable revenue recognition criteria have been met. Under the terms of the U.S. government contracts, there are certain price reduction clauses and provisions for potential price reductions which are estimated at the time of sale based upon the Company's history and experience and are recorded as a reduction to Net sales. Potential reductions may be attributed to a change in projected sales volumes or plant efficiencies which impact overall costs. As of December 31, 2013 and 2012, the Company had \$49.6 million and \$46.9 million recorded in the price reduction reserve account, respectively.

Due to a request from the U.S. government, the Company billed, but did not ship certain tracked transmissions during the second half of 2013. Based on the lack of a fixed delivery date from the U.S. government, the Company did not recognize revenue as of December 31, 2013 for these transmissions. Revenue will be recognized once delivery has occurred. See NOTE 10 for additional details.

The Company classifies shipping and handling billed to customers in Net sales and shipping and handling costs in Cost of sales, in accordance with authoritative accounting guidance.

The Company contracts with various third parties to provide engineering services. These services are recorded as Net sales in accordance with the terms of the contract. The saleable engineering recorded was \$12.4 million, \$7.8 million and \$7.1 million for the years ended December 31, 2013, 2012 and 2011, respectively. The associated costs are recorded in Cost of sales.

Warranty

Provisions for estimated expenses related to product warranties are made at the time products are sold. Warranty claims arise when a transmission fails while in service during the relevant warranty period. The warranty reserve is provided for by adjusting Selling, general and administrative expenses by an amount based on the Company's current and historical warranty claims paid and associated repair costs. These estimates are established using historical information including the nature, frequency, and average cost of warranty claims and are adjusted as actual information becomes available. Costs associated with ETC programs are recorded as incurred during the extended period. From time to time, the Company may initiate a specific field action program. As a result of the uncertainty surrounding the nature and frequency of specific field action programs, the liability for such programs is recorded when the Company commits to an action. The Company reviews and assesses the liability for these programs on a quarterly basis. The Company also assesses its ability to recover certain costs from its suppliers and records a receivable from the supplier when it believes a recovery is probable.

Research and Development

The Company incurs costs in connection with research and development programs that are expected to contribute to future earnings. Such costs are charged to Engineering — research and development as incurred.

Foreign Currency Translation

Most of the subsidiaries outside the United States prepare financial statements in currencies other than the U.S. dollar. The functional currency for all these subsidiaries is the local currency, except for the Company's Hong Kong and Middle East subsidiaries which currently use the U.S. dollar as the functional currency, and balances are translated at period-end exchange rates for assets and liabilities and monthly weighted-average exchange rates for revenues and expenses. The translation gains (losses) are stated as a component of AOCL as disclosed in NOTE 16.

Derivative Instruments

In the normal course of business, the Company is exposed to fluctuations in interest rates, foreign currency exchange rates, and commodity prices. The risk is managed through the use of financial derivative instruments including interest rate swaps and commodity and foreign currency forward contracts. Despite the fact that the Company either has not elected or does not qualify for hedge accounting treatment on all of its derivative instruments, the contracts are used strictly as an economic hedge and not for speculative purposes. As necessary, the Company adjusts the values of the derivative instruments for counter-party or credit risk. NOTE 8 provides further information on the accounting treatment of the Company's derivative instruments.

Income Taxes

Income taxes are accounted for under the asset and liability method. Deferred tax assets and liabilities are recognized for the expected future tax consequences attributable to temporary differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases. The future tax benefits associated with operating loss and tax credit carryforwards are recognized as deferred tax assets. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled.

The need to establish a valuation allowance against the deferred tax assets is assessed periodically based on a more-likely-than-not realization threshold, in accordance with the FASB's authoritative accounting guidance on income taxes. Appropriate consideration is given to all positive and negative evidence related to that realization. This assessment considers, among other matters, the nature, frequency and severity of recent losses, forecasts of future profitability, the duration of statutory carryforward periods, experience with tax attributes expiring unused and tax planning alternatives. The weight given to these considerations depends upon the degree to which they can be objectively verified.

Stock-Based Compensation

The Company maintains a stock-based compensation plan which allows employees (including executive officers), consultants and directors to receive equity awards. The Company has adopted the FASB's authoritative accounting guidance on share-based payments and recognizes the fair value of the awards as compensation expense over the vesting period. The accounting guidance also requires that forfeitures be estimated over the vesting period of an award instead of being recognized as a reduction of compensation expense when the forfeiture actually occurs.

Pension and Post-retirement Benefit Plans

For pension and other post-retirement benefits ("OPEB") plans in which employees participate, costs are determined within the FASB's authoritative accounting guidance set forth in employers' defined benefit pensions including accounting for settlements and curtailments of defined benefit pension plans, termination of benefits and accounting for post-retirement benefits other than pensions. In accordance with the authoritative accounting guidance, the Company recognizes the funded status of its defined benefit pension plans and OPEB plan in its Consolidated Balance Sheets with a corresponding adjustment to AOCL, net of tax.

Post-retirement benefit costs consist of service cost, interest cost on accrued obligations and the expected return on assets (calculated using a smoothed market value of assets). Any difference between actual and expected returns on assets during a year and actuarial gains and losses on liabilities together with any prior service costs are charged (or credited) to income over the average remaining service lives of employees.

The benefit cost components shown in the Consolidated Statements of Comprehensive Income are based upon various actuarial assumptions and methodologies as prescribed by authoritative accounting guidance. These assumptions include discount rates, expected return on plan assets, health care cost trend rates, inflation, rate of compensation increases, population demographics, mortality rates and other factors. The Company reviews all actuarial assumptions on an annual basis.

Recently Adopted Accounting Pronouncements

In July 2013, the FASB issued authoritative accounting guidance on the presentation of an unrecognized tax benefit when net operating loss (“NOL”) carryforwards exist. The guidance requires presentation of an unrecognized tax benefit, or a portion of an unrecognized tax benefit, in the financial statements as a reduction to a deferred tax asset for an NOL carryforward, a similar tax loss or a tax credit carryforward. The guidance is effective for fiscal years beginning after December 15, 2013. While the adoption of this guidance is not expected to have a material effect on the Company’s consolidated financial statements, it could affect the accounting treatment applied under these circumstances in the future.

In July 2013, the FASB issued authoritative accounting guidance on the inclusion of the Fed Funds Effective Swap Rate as a benchmark interest rate for hedge accounting purposes. The guidance also removes the restriction on using different benchmark rates for similar hedges. The guidance became effective for qualifying new or redesignated hedging relationships entered into on or after July 17, 2013. The adoption of this guidance did not have an effect on the Company’s consolidated financial statements as the Company does not currently elect hedge accounting treatment on its interest rate swaps.

In March 2013, the FASB issued authoritative accounting guidance on a parent company’s accounting for the cumulative translation adjustment upon derecognition of certain subsidiaries or groups of assets within a foreign entity or of an investment in a foreign entity. The guidance clarifies that when a parent company ceases to have a controlling financial interest in a subsidiary or group of assets, the cumulative translation adjustment should be released into net income only if the sale or transfer results in the complete or substantially complete liquidation of the foreign entity in which the subsidiary or group of assets had resided. The guidance is effective for fiscal years beginning after December 15, 2013. While the adoption of this guidance is not expected to have an effect on the Company’s consolidated financial statements, it could affect the accounting treatment applied under these circumstances in the future.

In February 2013, the FASB issued authoritative accounting guidance on the presentation and disclosure of reclassifications out of accumulated other comprehensive income. The guidance gives an entity the option to present significant amounts reclassified out of each component of accumulated other comprehensive income and the income statement line items affected by the reclassification either parenthetically on the face of the financial statements or in the footnotes to the financial statements. The guidance became effective for interim and annual reporting periods beginning after December 15, 2012. The adoption of this guidance did not have a material effect on the Company’s consolidated financial statements; however, it requires the Company to present additional disclosures in the footnotes to the consolidated financial statements when significant amounts are reclassified out of accumulated other comprehensive income.

In January 2013, the FASB issued authoritative accounting guidance clarifying the scope of new balance sheet offsetting disclosures issued in December 2011 for derivatives, repurchase agreements and securities lending transactions that are either offset in the financial statements or subject to an enforceable master netting arrangement or similar agreement. The guidance became effective for interim and annual periods beginning on or after January 1, 2013. The adoption of this guidance did not have a material effect on the Company’s consolidated financial statements.

In December 2011, the FASB issued authoritative accounting guidance on enhancing disclosures to evaluate the effect or potential effect of netting arrangements on an entity’s financial position. The guidance requires improved information and disclosures about gross and net amounts of recognized assets and liabilities of financial and derivative instruments that are offset in an entity’s statement of financial position. The guidance applies retrospectively for interim and annual reporting periods beginning on or after January 1, 2013. The adoption of this guidance did not have a material effect on the Company’s consolidated financial statements.

NOTE 3. INVENTORIES

Inventories consisted of the following components (dollars in millions):

	December 31, 2013	December 31, 2012
Purchased parts and raw materials	\$ 79.7	\$ 80.6
Work in progress	5.7	7.5
Service parts	45.8	44.5
Finished goods	29.2	24.5
Total inventories	<u>\$ 160.4</u>	<u>\$ 157.1</u>

Inventory components shipped to third parties, primarily cores, parts to re-manufacturers, and parts to contract manufacturers, in which the Company has an obligation to buy back, are included in purchased parts and raw materials, with an offsetting liability in Other current liabilities.

NOTE 4. PROPERTY, PLANT AND EQUIPMENT

The cost and accumulated depreciation of property, plant and equipment are as follows (dollars in millions):

	December 31, 2013	December 31, 2012
Land and land improvements	\$ 20.3	\$ 16.2
Buildings and building improvements	271.4	263.3
Machinery and equipment	567.7	543.7
Software	112.9	102.9
Special tools	143.4	129.6
Construction in progress	48.6	56.0
Total property, plant and equipment	<u>1,164.3</u>	<u>1,111.7</u>
Accumulated depreciation	<u>(600.9)</u>	<u>(515.5)</u>
Property, plant and equipment, net	<u>\$ 563.4</u>	<u>\$ 596.2</u>

Depreciation of property, plant and equipment was \$98.7 million, \$102.5 million and \$103.8 million for the years ended December 31, 2013, 2012 and 2011, respectively.

NOTE 5. GOODWILL AND OTHER INTANGIBLE ASSETS

As of December 31, 2013 and 2012, the carrying value of the Company's Goodwill was \$1,941.0 million.

The following presents a summary of other intangible assets (dollars in millions):

	December 31, 2013			December 31, 2012		
	Intangible assets, gross	Accumulated amortization	Intangible assets, net	Intangible assets, gross	Accumulated amortization	Intangible assets, net
Other intangible assets:						
Trade name	\$ 870.0	\$ —	\$ 870.0	\$ 870.0	\$ —	\$ 870.0
Customer relationships - defense	62.3	(24.4)	37.9	62.3	(20.8)	41.5
Customer relationships - commercial	831.8	(374.9)	456.9	831.8	(321.2)	510.6
Proprietary technology	476.3	(243.9)	232.4	476.3	(205.8)	270.5
Non-compete agreement	17.3	(11.1)	6.2	17.3	(9.4)	7.9
Patented technology - defense	28.2	(21.2)	7.0	28.2	(17.9)	10.3
Tooling rights	4.5	(4.1)	0.4	4.5	(3.9)	0.6
Patented technology - commercial	260.6	(260.6)	—	260.6	(255.9)	4.7
Total	<u>\$ 2,551.0</u>	<u>\$ (940.2)</u>	<u>\$ 1,610.8</u>	<u>\$ 2,551.0</u>	<u>\$ (834.9)</u>	<u>\$ 1,716.1</u>

Amortization of intangible assets was \$105.3 million, \$150.0 million and \$151.9 million for the years ended December 31, 2013, 2012 and 2011, respectively.

The expected U.S. federal tax basis for Goodwill and Trade name deductions was \$1,032.1 million and \$709.4 million as of December 31, 2013 and \$1,150.0 million and \$792.0 million as of December 31, 2012, respectively.

As of December 31, 2013, the net carrying value of the Company's Goodwill and Other intangible assets, net was \$3,551.8 million. After performing a quantitative analysis, the Company's 2013 annual goodwill impairment test indicated that the fair value of the reporting unit exceeded its carrying value by approximately 90%, indicating no impairment. The fair value was determined utilizing a discounted cash flow model which includes key assumptions, such as net sales growth derived from market information, industry reports, marketing programs and new product introductions; operating margin improvements derived from cost reduction programs and fixed cost leverage driven by higher sales volumes; and a risk-adjusted discount rate. Events or circumstances that could unfavorably impact the key assumptions include lower net sales driven by market conditions, the Company's inability to execute on marketing programs and/or delay in the introduction and adoption of new products, lower gross margins as a result of market conditions or failure to obtain forecasted cost reductions, or a higher discount rate as a result of market conditions. While unpredictable and inherently uncertain, management believes the forecast estimates were reasonable and incorporate assumptions that similar market participants would use in their estimates of fair value.

The Company's 2013 annual trade name impairment test indicated that the fair value of the trade name exceeded its carrying value by approximately 8%, indicating no impairment. The fair value was determined utilizing an income approach by which the relief from royalty method was applied. Key assumptions incorporated into the analysis were net sales growth derived from market information, industry reports, marketing programs and new product introductions; and risk-adjusted discount rates. Events or circumstances that could unfavorably impact the key assumptions include lower net sales driven by market conditions, the Company's inability to execute on marketing programs and/or delay in introduction of new products, and higher discount rate as a result of market conditions. While unpredictable and inherently uncertain, management believes the forecast estimates are reasonable and incorporate those assumptions that similar market participants would use in their estimates of fair value.

Amortization expense related to Other intangible assets for the next five years and thereafter is expected to be (dollars in millions):

	2014	2015	2016	2017	2018	Thereafter
Amortization expense	<u>\$98.8</u>	<u>\$97.1</u>	<u>\$92.4</u>	<u>\$89.7</u>	<u>\$87.2</u>	<u>\$ 275.6</u>

NOTE 6. FAIR VALUE OF FINANCIAL INSTRUMENTS

In accordance with the FASB's authoritative accounting guidance on fair value measurements, fair value is the price (exit price) that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The Company utilizes market data or assumptions that market participants would use in pricing the asset or liability, including assumptions about risk and the risks inherent in the inputs to the valuation technique. These inputs can be readily observable, market corroborated, or generally unobservable. The Company primarily applies the market approach for recurring fair value measurements and utilizes the best available information that maximizes the use of observable inputs and minimizes the use of unobservable inputs. The Company is able to classify fair value balances based on the observability of those inputs. The accounting guidance establishes a fair value hierarchy that prioritizes the inputs used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurement) and the lowest priority to unobservable inputs (Level 3 measurement). The three levels of the fair value hierarchy defined by the relevant guidance are as follows:

Level 1 — Quoted prices are available in active markets for identical assets or liabilities as of the reporting date. Active markets are those in which transactions for the asset or liability occur in sufficient frequency and volume to provide pricing information on an ongoing basis. Level 1 primarily consists of financial instruments such as exchange-traded derivatives, listed equities and publicly traded bonds.

Level 2 — Pricing inputs are other than quoted prices in active markets included in Level 1, which are either directly or indirectly observable as of the reported date. Level 2 includes those financial instruments that are valued using models or other valuation methodologies. These models are primarily industry standard models that consider various assumptions, including quoted forward prices for commodities, time value, volatility factors, and current market and contractual prices for the underlying instruments, as well as other relevant economic measures. Substantially all of these assumptions are observable in the marketplace throughout the full term of the instrument, can be derived from observable data or are supported by observable levels at which transactions are executed in the marketplace.

Level 3 — Pricing inputs include significant inputs that are generally less observable from objective sources. These inputs may be used with internally developed methodologies that result in management's best estimate of fair value. At each balance sheet date, the Company performs an analysis of all instruments subject to authoritative accounting guidance and includes, in Level 3, all of those whose fair value is based on significant unobservable inputs. As of December 31, 2013 and 2012, the Company did not have any Level 3 financial assets or liabilities.

The Company's assets and liabilities that are measured at fair value include cash and cash equivalents, available-for-sale securities, derivative instruments, assets held in a rabbi trust and a deferred compensation obligation. The Company's cash equivalents consist of short-term U.S. government backed securities. The Company's available-for-sale securities consist of ordinary shares of Torotrak plc ("Torotrak") associated with a license and exclusivity agreement with Torotrak. Torotrak's listed shares are traded on the London Stock Exchange under the ticker symbol "TRK." The Company's derivative instruments consist of interest rate swaps, foreign currency forward contracts and commodity swaps. The Company's assets held in the rabbi trust consist principally of publicly available mutual funds and target date retirement funds. The Company's deferred compensation obligation is directly related to the fair value of assets held in the rabbi trust.

The Company's valuation techniques used to fair value cash and cash equivalents, available-for-sale securities, assets held in the rabbi trust and the deferred compensation obligation represent a market approach in active markets for identical assets that qualifies as Level 1 in the fair value hierarchy. The Company's valuation techniques used to calculate the fair value of derivative instruments represent a market approach with observable inputs that qualify as Level 2 in the fair value hierarchy.

The foreign currency contracts consist of forward rate contracts which are intended to hedge exposure of transactions denominated in certain currencies and reduce the impact of currency price volatility on the Company's financial results. The commodity contracts consist of forward rate contracts which are intended to hedge exposure of transactions involving purchases of component parts and energy to power our facilities, reducing the impact of commodity price volatility on the Company's financial results.

For the fair value measurement of foreign currency derivatives, the Company uses forward foreign exchange rates received from the issuing financial institution. These rates are periodically corroborated by comparing to third-party broker quotes. The foreign currency hedges are accounted for within the authoritative accounting guidance set forth on accounting for derivative instruments and hedging activities and have been recorded at fair value based upon quoted market rates. The fair values are included in Other current and non-current assets and liabilities in the Consolidated Balance Sheets. The Company generally does not elect to apply hedge accounting for these foreign currency contracts, and as a result, unrealized fair value adjustments and realized gains and losses are recorded in Other expense, net in the Consolidated Statements of Comprehensive Income during the period of change.

For the fair value measurement of commodity derivatives, the Company uses forward prices received from the issuing financial institution. These rates are periodically corroborated by comparing to third-party broker quotes. The commodity derivatives are accounted for within the authoritative accounting guidance set forth on accounting for derivative instruments and hedging activities and have been recorded at fair value based upon quoted market rates. The fair values are included in Other current and non-current assets and liabilities in the Consolidated Balance Sheets. The Company has either not qualified for or not elected hedge accounting treatment for these commodity contracts, and as a result, unrealized fair value adjustments and realized gains and losses are recorded in Other expense, net in the Consolidated Statements of Comprehensive Income.

For the fair value measurement of interest rate derivatives, the Company uses valuations from the issuing financial institution. The Company corroborates the valuation through the use of third-party valuation services using a standard replacement valuation model. The floating-to-fixed interest rate swaps are based on the London Interbank Offered Rate ("LIBOR") which is observable at commonly quoted intervals. The fair values are included in other current and non-current assets and liabilities in the Consolidated Balance Sheets. The Company has not qualified for hedge accounting treatment for the interest rate swaps and, as a result, fair value adjustments are charged directly to Interest expense in the Consolidated Statements of Comprehensive Income.

The following table summarizes the fair value of the Company's financial assets and (liabilities) as of December 31 (dollars in millions):

	Fair Value Measurements Using					
	Quoted Prices in Active Markets for Identical Assets (Level 1)		Significant Other Observable Inputs (Level 2)		TOTAL	
	2013	2012	2013	2012	2013	2012
Cash and cash equivalents	\$ 184.7	\$ 80.2	\$ —	\$ —	\$184.7	\$ 80.2
Available-for-sale securities	8.2	6.1	—	—	8.2	6.1
Rabbi trust assets	1.3	0.2	—	—	1.3	0.2
Deferred compensation obligation	(1.3)	(0.2)	—	—	(1.3)	(0.2)
Derivative assets	—	—	1.6	0.2	1.6	0.2
Derivative liabilities	—	—	(21.4)	(52.9)	(21.4)	(52.9)
Total	\$ 192.9	\$ 86.3	\$ (19.8)	\$ (52.7)	\$173.1	\$ 33.6

Of the available Cash and cash equivalents, approximately \$179.7 million and \$75.2 million was deposited in operating accounts while approximately \$5.0 million and \$5.0 million was invested in U.S. government backed securities as of December 31, 2013 and December 31, 2012, respectively.

NOTE 7. DEBT

Long-term debt and maturities are as follows (dollars in millions):

	December 31, 2013	December 31, 2012
Long-term debt:		
Senior Secured Credit Facility Term B-1 Loan, variable, due 2014	\$ —	\$ 411.4
Senior Secured Credit Facility Term B-2 Loan, variable, due 2017	423.5	793.1
Senior Secured Credit Facility Term B-3 Loan, variable, due 2019	1,783.5	1,145.0
Senior Cash Pay Notes, fixed 7.125%, due 2019	471.3	471.3
Total long-term debt	2,678.3	2,820.8
Less: current maturities of long-term debt	17.9	19.5
Total long-term debt less current portion	<u>\$ 2,660.4</u>	<u>\$ 2,801.3</u>

Principal payments required on long-term debt during the next five years are \$17.9 million in 2014, \$17.9 million in 2015, \$17.9 million in 2016, \$441.4 million in 2017 and \$17.9 million in 2018.

As of December 31, 2013, the Company had \$423.5 million of indebtedness associated with ATI's Senior Secured Credit Facility Term B-2 Loan due 2017 ("Term B-2 Loan") and \$1,783.5 million of indebtedness associated with ATI's Senior Secured Credit Facility Term B-3 Loan due 2019 ("Term B-3 Loan") (together the Term B-2 Loan, Term B-3 Loan and revolving credit facility are defined as the "Senior Secured Credit Facility"). The Company also had indebtedness of \$471.3 million of ATI's 7.125% senior cash pay notes due May 2019 ("7.125% Senior Notes").

The fair value of the Company's long-term debt obligations as of December 31, 2013 was \$2,724.3 million. The fair value is based on quoted Level 1 market prices of the Company's debt as of December 31, 2013. It is not expected that the Company would be able to repurchase a significant amount of its debt at these levels. The difference between the fair value and carrying value of the long-term debt is driven primarily by trends in the financial markets.

Senior Secured Credit Facility

In 2007, ATI entered into a Senior Secured Credit Facility having a term loan in the amount of \$3,100.0 million with a maturity date of August 2014. In November 2008, ATI entered into an amendment related to the Senior Secured Credit Facility that permits the Company to make discounted voluntary prepayments of the term loans in an aggregated amount not to exceed \$750.0 million pursuant to a modified Dutch auction. As part of the May 2011 amendment to the Senior Secured Credit Facility, described in more detail below, the amount available for discounted voluntary prepayments of the term loan pursuant to a modified Dutch auction was reset to \$750.0 million. This provision is available to the Company for so long as the Senior Secured Credit Facility is outstanding. For the years ended December 31, 2013, 2012 and 2011, the Company has not made any repurchases of our term loan under these amendments.

In March 2012, ATI entered into an amendment with the term loan lenders under its Senior Secured Credit Facility to extend the maturity of \$801.1 million in principal amount of term loan debt from August 2014 to August 2017 and to increase the applicable margin at the Company's option to either (a) 3.50% over the LIBOR or (b) 2.50% over the greater of the prime lending rate provided by the British Banking Association or the federal funds effective rate published by the Federal Reserve Bank of New York plus 0.50%. As a result of the debt modification, the Company recorded an additional \$2.3 million as deferred financing fees in the Consolidated Balance Sheets and extended the amortization period of \$5.1 million of deferred financing fees from 2014 to 2017.

In August 2012, ATI entered into an amendment with the term loan lenders under its Senior Secured Credit Facility to extend the maturity of \$850.0 million of term loan debt from August 2014 to August 2019 and to increase the applicable margin at the Company's option to either (a) 3.25% or 3.00%, subject to the Company's total leverage ratio, over the LIBOR (which may not be less than 1.00%) or (b) 2.25% or 2.00%, subject to the Company's total leverage ratio, over the greater of the prime lending rate provided by the British Banking Association or the federal funds effective rate published by the Federal Reserve Bank of New York plus 0.5% (which may not be less than 2.00%). The amendment was treated as an extinguishment of debt under GAAP, and thus the Company expensed \$4.5 million of deferred financing fees and recorded \$16.1 million of new deferred financing fees in the consolidated financial statements.

In October 2012, ATI entered into an amendment with the term loan lenders under its Senior Secured Credit Facility to extend the maturity of \$300.0 million of term loan debt from August 2014 to August 2019 and to increase the applicable margin at the Company's option to either (a) 3.25% or 3.00%, subject to the Company's total leverage ratio, over the LIBOR (which may not be less than 1.00%) or (b) 2.25% or 2.00%, subject to the Company's total leverage ratio, over the greater of the prime lending rate provided by the British Banking Association or the federal funds effective rate published by the Federal Reserve Bank of New York plus 0.50% (which may not be less than 2.00%). The amendment was treated as an extinguishment of debt under GAAP, and thus the Company expensed \$1.4 million of deferred financing fees and recorded \$1.8 million of new deferred financing fees in the consolidated financial statements.

In February 2013, ATI entered into an amendment with the term loan lenders under its Senior Secured Credit Facility to refinance \$793.1 million of term loan debt and decrease the applicable margin for such term loans at the Company's option to either (a) 3.00% over the LIBOR or (b) 2.00% over the greater of the prime lending rate provided by the British Banking Association or the federal funds effective rate published by the Federal Reserve Bank of New York plus 0.50%. In February 2013, ATI also entered into an additional amendment with the term loan lenders under its Senior Secured Credit Facility to extend the maturity of \$411.4 million of term loan debt from August 2014 to August 2017 and to increase the applicable margin at the Company's option to either (a) 3.00% over the LIBOR or (b) 2.00% over the greater of the prime lending rate provided by the British Banking Association or the federal funds effective rate published by the Federal Reserve Bank of New York plus 0.50%. The February 2013 amendments were treated as a modification of debt under GAAP, and the Company expensed \$1.0 million of deferred financing fees and recorded \$1.6 million of new deferred financing fees in the consolidated financial statements.

In August 2013, ATI entered into an amendment with the term loan lenders under its Senior Secured Credit Facility to refinance \$1,139.3 million of term loan debt and decrease the applicable margin for such term loans at the Company's option to either (a) 2.75% or 2.50%, subject to the Company's total leverage ratio, over the LIBOR (which may not be less than 1.00%) or (b) 1.75% or 1.50%, subject to the Company's total leverage ratio, over the greater of the prime lending rate provided by the British Banking Association or the federal funds effective rate published by the Federal Reserve Bank of New York plus 0.50% (which may not be less than 2.00%). The amendment was treated as a modification of debt under GAAP, and thus the Company expensed \$2.1 million of deferred financing fees and recorded \$1.0 million of new deferred financing fees in the consolidated financial statements.

In December 2013, ATI entered into an amendment with the term loan lenders under its Senior Secured Credit Facility to extend the maturity of \$650.0 million of term loan debt from August 2017 to August 2019 and to reduce the applicable margin at the Company's option to either (a) 2.75% or 2.50%, subject to the Company's total leverage ratio, over the LIBOR (which may not be less than 1.00%) or (b) 1.75% or 1.50%, subject to the Company's total leverage ratio, over the greater of the prime lending rate provided by the British Banking Association or the federal funds effective rate published by the Federal Reserve Bank of New York plus 0.50% (which may not be less than 2.00%). The amendment also extended the maturity of the revolving credit facility to January 2019, increased the borrowing capacity to \$410.0 million, reduced the interest rate spread to either 2.25%, 2.00% or 1.75% on LIBOR loans or 1.25%, 1.00% or 0.75% on Base Rate loans, subject to the Company's total leverage ratio, reduced the commitment fee to either 0.375% or 0.25%, subject to the Company's total leverage ratio, and increased the letters of credit sublimit to \$75.0 million. Lastly, the amendment changed the requirement of the maximum total senior secured leverage ratio, so that it is only applicable to the revolving portion of the Senior Secured Credit Facility and is tested only when revolving commitments (including letters of credit) remain outstanding at the end of any fiscal quarter. The amendment to the term loans was treated as a modification of debt under GAAP, and thus the Company expensed \$0.5 million of deferred financing fees and recorded \$10.1 million of new deferred financing fees in the consolidated financial statements. The amendment to the revolving portion of the Senior Secured Credit Facility was treated as a modification of debt under GAAP, and thus the Company expensed \$0.4 million of deferred financing fees and recorded \$2.1 million of new deferred financing fees in the consolidated financial statements.

The Senior Secured Credit Facility is collateralized by a lien on substantially all assets of the Company including all of ATI's capital stock and all of the capital stock or other equity interest held by the Company, ATI and each of the Company's existing and future U.S. subsidiary guarantors (subject to certain limitations for equity interests of foreign subsidiaries and other exceptions set forth in the terms of the Senior Secured Credit Facility). Interest on the Term B-2 Loan, as of December 31, 2013, is equal to the LIBOR plus 3.00% and interest on the Term B-3 Loan, as of December 31, 2013, is equal to the LIBOR (which may not be less than 1.00%) plus 2.75% based on the Company's total leverage ratio. As of December 31, 2013, these rates were approximately 3.17% and 3.75% on the Term B-2 Loan and Term B-3 Loan, respectively, and the weighted average rate on the Senior Secured Credit Facility was approximately 3.64%. The Senior Secured Credit Facility requires minimum quarterly principal payments on the Term B-2 Loan and Term B-3 Loan as well as prepayments from certain net cash proceeds of non-ordinary course asset sales and casualty and condemnation events and from a percentage of excess cash flow, if applicable. Due to voluntary prepayments, the Company has fulfilled all Term B-2 Loan required quarterly payments through its maturity date of 2017. The minimum required quarterly principal payment on the Term B-3 Loan is \$4.5 million and remains through its maturity date of 2019. As of December 31, 2013, there had been no payments required for certain net cash proceeds of non-ordinary course asset sales and casualty and condemnation events. The remaining principal balance on each loan is due upon maturity.

In accordance with the Senior Secured Credit Facility, net cash proceeds of non-ordinary course asset sales and casualty and condemnation events will only be required to prepay the term loan if the Company does not reinvest or commit to reinvest such net cash proceeds in assets to be used in its business or to make certain other permitted investments within 15 months of the related transactions or events, subject to certain limitations. The Company must apply 50% of its annual excess cash flow (as defined in the Senior Secured Credit Facility) to the prepayment of the Senior Secured Credit Facility, however this percentage reduces to certain levels and eventually to zero upon achievement of certain total senior secured leverage ratios. For the year ended December 31, 2013, the Company was not required to make an excess cash flow payment.

The Senior Secured Credit Facility also provides for \$410.0 million in revolving credit borrowings, net of an allowance for up to \$75.0 million in outstanding letter of credit commitments. Throughout the year ended December 31, 2013, the Company made periodic withdrawals and payments on the revolving credit facility as part of its debt management plans. The maximum amount outstanding at any time during the year on the revolving credit facility was \$20.0 million, and all balances were repaid within the quarter they were borrowed. As of December 31, 2013, the Company had \$395.0 million available under the revolving credit facility, net of \$15.0 million in letters of credit. Revolving credit borrowings bear interest at a variable base rate plus an applicable margin based on the Company's total senior secured leverage ratio. As of December 31, 2013, this rate would have been between approximately 2.44% and 4.50%. In addition, there is an annual commitment fee, based on the Company's total senior secured leverage ratio, which as of December 31, 2013, was equal to 0.375% of the average unused revolving credit borrowings available under the Senior Secured Credit Facility. Revolving credit borrowings are payable at the option of the Company throughout the term of the Senior Secured Credit Facility with the balance due in January 2019.

The revolving portion of the Senior Secured Credit Facility requires the Company to maintain a specified maximum total senior secured leverage ratio of 5.50x when revolving commitments (including letters of credit) remain outstanding at the end of a fiscal quarter. As of December 31, 2013, the Company was in compliance with the maximum total senior secured leverage ratio, achieving a 3.23x ratio. Within the terms of the Senior Secured Credit Facility, a senior secured leverage ratio at or below 3.50x also results in the elimination of excess cash flow payments on the Senior Secured Credit Facility for the applicable year. Additionally, the Senior Secured Credit Facility provides certain financial incentives based on our total leverage ratio. A total leverage ratio at or below 4.00x results in a 25 basis point reduction to the applicable margin on the revolving credit facility, and a total leverage ratio at or below 3.50x results in a 12.5 basis point reduction to the revolving credit facility commitment fee and an additional 25 basis point reduction to the applicable margin on the revolving credit facility. A total leverage ratio at or below 3.25x results in a 25 basis point reduction to the applicable margin on our Term B-3 Loan. These reductions would remain in effect as long as the Company achieves a total leverage ratio at or below the related threshold. As of December 31, 2013, the total leverage ratio was 3.98x.

In addition, the Senior Secured Credit Facility, among other things, includes customary restrictions (subject to certain exceptions) on the Company's ability to incur certain indebtedness, grant certain liens, make certain investments or declare or pay certain dividends. As of December 31, 2013, the Company is in compliance with all covenants under the Senior Secured Credit Facility.

Senior Notes

In May 2011, the Company completed an offering of \$500.0 million of the 7.125% Senior Notes. The Company may from time to time seek to retire the 7.125% Senior Notes through cash purchases and/or exchanges for equity securities, in open market purchases, privately negotiated transactions, contractual redemptions or otherwise. Such repurchases or exchanges, if any, will depend on prevailing market conditions, liquidity requirements, contractual restrictions and other factors. The amounts involved may be material. Prior to May 15, 2015, the Company may redeem some or all of the 7.125% Senior Notes by paying the applicable "make-whole" premium. At any time on or after May 15, 2015, the Company may redeem some or all of the 7.125% Senior Notes at specified redemption prices in the governing indenture. For the years ended December 31, 2013, 2012 and 2011 the Company repurchased \$0.0 million, \$0.0 million and \$28.7 million (at face value) of its 7.125% Senior Notes, respectively. The repurchases resulted in a net gain (the discount between the purchase price of the notes and the face value of such notes) of \$0.0 million, \$0.0 million, and \$1.3 million for the years ended December 31, 2013, 2012 and 2011, respectively, net of deferred financing fees written off.

The 7.125% Senior Notes are unsecured and guaranteed by the subsidiaries that guarantee the Senior Secured Credit Facility and will be unconditionally guaranteed, jointly and severally, by any future domestic subsidiaries that guarantee the Senior Secured Credit Facility.

The indenture governing the 7.125% Senior Notes contains negative covenants restricting or limiting the Company's ability to, among other things: incur or guarantee additional indebtedness, incur liens, pay dividends on, redeem or repurchase the Company's capital stock, make certain investments, permit payment or dividend restrictions on certain of the Company's subsidiaries, sell assets, engage in certain transactions with affiliates, and consolidate or merge or sell all or substantially all of the Company's assets. Certain of these covenants would be suspended if the 7.125% Senior Notes were to reach investment grade.

NOTE 8. DERIVATIVES

The Company is exposed to certain financial risk from volatility in interest rates, foreign exchange rates and commodity prices. The risk is managed through the use of financial derivative instruments including interest rate swaps, foreign currency forward contracts and commodity swaps. The Company's current derivative instruments are used strictly as an economic hedge and not for speculative purposes. As necessary, the Company adjusts the values of the derivative instruments for counter-party or credit risk.

Interest Rate

The Company is subject to interest rate risk related to the Senior Secured Credit Facility and enters into interest rate swap contracts that are based on the LIBOR to manage a portion of this exposure. The Company has not elected hedge accounting treatment for these derivatives, and as a result, fair value adjustments are charged directly to Interest expense in the Consolidated Statements of Comprehensive Income. A summary of the Company's interest rate derivatives as of December 31, 2013 and December 31, 2012 follows (dollars in millions):

	December 31, 2013		December 31, 2012	
	Notional Amount	Fair Value	Notional Amount	Fair Value
Interest Rate Swap D, due 2013	\$ —	\$ —	\$ 125.0	\$ (2.8)
Interest Rate Swap E, due 2013	—	—	150.0	(2.3)
Interest Rate Swap F, due 2013	—	—	75.0	(1.1)
Interest Rate Swap G, due 2013	—	—	75.0	(1.2)
Interest Rate Swap H, due 2014	350.0	(7.2)	350.0	(19.0)
Interest Rate Swap I, due 2014	350.0	(7.2)	350.0	(19.2)
Interest Rate Swap J, due 2014	125.0	(2.0)	125.0	(3.3)
Interest Rate Swap K, due 2014	125.0	(2.0)	125.0	(3.4)
Interest Rate Swap L, due 2019	75.0	(0.4)	—	—
Interest Rate Swap M, due 2019	100.0	(0.4)	—	—
Interest Rate Swap N, due 2019	75.0	(0.2)	—	—
Interest Rate Swap O, due 2019	75.0	0.2	—	—
Interest Rate Swap P, due 2019	75.0	0.4	—	—
Interest Rate Swap Q, due 2019	50.0	0.4	—	—
Interest Rate Swap R, due 2019	50.0	0.4	—	—
	<u>\$1,450.0</u>	<u>\$ (18.0)</u>	<u>\$1,375.0</u>	<u>\$ (52.3)</u>

In July 2013, the Company entered into two new interest rate swaps to hedge its variable interest rate exposure on the Senior Secured Credit Facility. Interest Rate Swap L has a notional amount of \$75.0 million and is effective from August 2016 to August 2019 at an all-in fixed rate of 3.44% and a LIBOR floor of 1.00% with no independent collateral requirement. Interest Rate Swap M has a notional amount of \$100.0 million and is effective from August 2016 to August 2019 at an all-in fixed rate of 3.43% and a LIBOR floor of 1.00% with no independent collateral requirement.

In September 2013, the Company entered into two new interest rate swaps to hedge its variable interest rate exposure on the Senior Secured Credit Facility. Interest Rate Swap N has a notional amount of \$75.0 million and is effective from August 2016 to August 2019 at an all-in fixed rate of 3.37% and a LIBOR floor of 1.00% with no independent collateral requirement. Interest Rate Swap O has a notional amount of \$75.0 million and is effective from August 2016 to August 2019 at an all-in fixed rate of 3.17% and a LIBOR floor of 1.00% with no independent collateral requirement.

In October 2013, the Company entered into three new interest rate swaps to hedge its variable interest rate exposure on the Senior Secured Credit Facility. Interest Rate Swap P has a notional amount of \$75.0 million and is effective from August 2016 to August 2019 at an all-in fixed rate of 3.08% and a LIBOR floor of 1.00% with no independent collateral requirement. Interest Rate Swap Q has a notional amount of \$50.0 million and is effective from August 2016 to August 2019 at an all-in fixed rate of 2.99% and a LIBOR floor of 1.00% with no independent collateral requirement. Interest Rate Swap R has a notional amount of \$50.0 million and is effective from August 2016 to August 2019 at an all-in fixed rate of 2.98% and a LIBOR floor of 1.00% with no independent collateral requirement.

Certain of the Company's interest rate derivatives contain credit-risk and collateral contingent features under which downgrades in the Company's credit rating could require the Company to increase its collateral. Certain interest rate derivatives also contain provisions under which the Company may be required to post additional collateral if the LIBOR interest rate curve reaches certain levels.

As of December 31, 2013 and 2012, the Company had recorded cash collateral of \$1.7 million and \$3.0 million, respectively, in Other current assets in the Consolidated Balance Sheets, as the balances are subject to frequent change. The Company has also posted \$5.0 million of collateral in the form of letters of credit.

Currency Exchange

The Company's business is subject to foreign exchange rate risk. As a result, the Company enters into various forward rate contracts that qualify as derivatives under the authoritative accounting guidance to manage certain of these exposures. Forward contracts are used to hedge forecasted transactions and known exposure of payables denominated in a foreign currency. The Company generally has not elected to apply hedge accounting under the authoritative accounting guidance and recorded the unrealized fair value adjustments and realized gains and losses associated with these contracts in Other expense, net in the Consolidated Statements of Comprehensive Income during the period of change.

The following table summarizes the outstanding foreign currency forward contracts as of December 31, 2013 and 2012 (amounts in millions):

	December 31, 2013		December 31, 2012	
	Notional Amount	Fair Value	Notional Amount	Fair Value
Japanese Yen (JPY)	¥ 600.0	\$ (0.3)	¥ 675.0	\$ (0.2)
		<u>\$ (0.3)</u>		<u>\$ (0.2)</u>

Commodity

The Company's business is subject to commodity price risk, principally with component suppliers. As a result, the Company entered into various commodity swap contracts that qualified as derivatives under the authoritative accounting guidance to manage certain of these exposures. Swap contracts were used to hedge forecasted transactions either of the commodity or of components containing the commodity. The Company has not qualified for hedge accounting treatment for these commodity contracts, and as a result, unrealized fair value adjustments and realized gains and losses associated with these contracts were charged directly to Other expense, net in the Consolidated Statements of Comprehensive Income during the period of change.

The following table summarizes the outstanding commodity swaps as of December 31, 2013 and December 31, 2012 (dollars in millions):

	December 31, 2013			December 31, 2012		
	Notional Amount	Quantity	Fair Value	Notional Amount	Quantity	Fair Value
Aluminum	\$ 23.8	11,875 metric tons	\$ (1.6)	\$ 19.4	9,050 metric tons	\$ (0.1)
Steel	N/A	N/A	—	\$ 0.2	340 metric tons	(0.1)
Natural Gas	\$ 0.3	90,000 MMBtu	0.0	\$ 0.3	80,000 MMBtu	0.0
			<u>\$ (1.6)</u>			<u>\$ (0.2)</u>

The following tabular disclosures further describe the Company's derivative instruments and their impact on the financial condition of the Company (dollars in millions):

	December 31, 2013		December 31, 2012	
	Balance Sheet Location	Fair Value	Balance Sheet Location	Fair Value
Derivatives not designated as hedging instruments				
Foreign currency contracts	Other current liabilities	\$ (0.3)	Other current liabilities	\$ (0.2)
Commodity contracts	Other current and non-current assets	0.1	Other current and non-current assets	0.2
	Other current and non-current liabilities	(1.7)	Other current and non-current liabilities	(0.4)
Interest rate contracts	Other non-current assets	1.5		
	Other current and non-current liabilities	(19.5)	Other current and non-current liabilities	(52.3)
Total derivatives not designated as hedging instruments		\$ (19.9)		\$ (52.7)

The fair values of the derivatives were recorded between Other current and non-current assets and Other current and non-current liabilities as appropriate in the Consolidated Balance Sheets. As of December 31, 2013, the amount recorded to Other current liabilities for foreign currency contracts was (\$0.3) million. The amounts recorded to Other current and non-current assets for commodity contracts were \$0.1 million and \$0.0 million, respectively. The amounts recorded to Other current and non-current liabilities for commodity contracts were (\$1.5) million and (\$0.2) million, respectively. The amount recorded to Other non-current assets for interest rate contracts was \$1.5 million. The amounts recorded to Other current and non-current liabilities for interest rate contracts were (\$18.5) million and (\$1.0) million, respectively.

As of December 31, 2012, the amount recorded to Other current liabilities for foreign currency contracts was (\$0.2) million. The amounts recorded to Other current and non-current assets for commodity were \$0.1 million and \$0.1 million, respectively. The amounts recorded to Other current and non-current liabilities for commodity contracts were (\$0.3) million and (\$0.1) million, respectively. The amounts recorded to Other current and non-current liabilities for interest rate contracts were (\$31.2) million and (\$21.1) million, respectively.

The impact on the Company's Consolidated Statements of Comprehensive Income related to foreign currency and commodity contracts can be found in NOTE 11, and the following tabular disclosure describes the location and impact on the Company's results of operations related to unrealized gain (loss) on interest rate derivatives (dollars in millions):

	December 31, 2013	December 31, 2012	December 31, 2011
Location of impact on results of operations			
Interest expense	\$ 34.3	\$ 25.5	\$ (7.0)

NOTE 9. PRODUCT WARRANTY LIABILITIES

Product warranty liability activities consist of the following (dollars in millions):

	Year ended December 31, 2013	Year ended December 31, 2012	Year ended December 31, 2011
Beginning balance	\$ 109.7	\$ 115.4	\$ 128.5
Payments	(38.7)	(47.3)	(35.5)
Increase in liability (warranties issued during period)	28.4	25.5	26.5
Net adjustments to liability	(9.6)	15.3	(5.1)
Accretion (for Predecessor liabilities)	0.7	0.8	1.0
Ending balance	<u>\$ 90.5</u>	<u>\$ 109.7</u>	<u>\$ 115.4</u>

As of December 31, 2013, the current and non-current liabilities were \$37.4 million and \$53.1 million, respectively. As of December 31, 2012 the current and non-current liabilities were \$36.2 million and \$73.5 million, respectively.

During June 2007, Old GM recognized the estimated cost of replacing the Dual Power Inverter Module (“DPIM”) used on H 40/50 EP hybrid systems. Certain units were falling short of their expected service life and the Predecessor decided to cover repair or replacement for an extended period. The Company is responsible for the first \$12.0 million of qualified cost while GM is responsible for the next \$34.0 million of costs, with any amount over \$46.0 million being shared one-third by the Company and two-thirds by GM for shipments through June 30, 2009.

During 2013, the Company completed an analysis of its Dual Power Inverter Module (“DPIM”) extended coverage program and determined, based on current claims, that the product warranty liability should be reduced by \$8.2 million. This resulted in a \$5.8 million reduction in the GM DPIM receivable and a \$2.4 million favorable adjustment to the Consolidated Statements of Comprehensive Income. As of December 31, 2013 and 2012, the DPIM liability was \$44.6 million and \$52.8 million with an associated receivable from GM of \$25.8 million and \$31.6 million, respectively. Through December 31, 2013, the Company had paid approximately \$25.5 million in DPIM claims and received approximately \$9.1 million in reimbursement from GM. The Company will continue to review the total DPIM liability and GM receivable for any changes in estimates as data becomes available.

During 2012, the Company reviewed its DPIM extended coverage program and determined, based on current claims, that the product liability should be reduced by \$7.9 million. This resulted in a \$7.3 million reduction in the GM DPIM receivable and a \$0.6 million favorable adjustment to the Consolidated Statements of Comprehensive Income. As part of the analysis, it was also determined that design issues related to the early introduction of the replacement DPIM unit resulted in a \$10.0 million increase to the product warranty liability. As the replacement DPIM unit is the responsibility of the Company and not covered by the Asset Purchase Agreement, the Company recorded a \$10.0 million charge to the Consolidated Statements of Comprehensive Income.

During 2011, the Company reviewed its DPIM costs associated with the extended coverage resulting in no change to the DPIM liability and no change to the associated GM receivable.

The remaining adjustments to the total liability in 2013, 2012 and 2011 were the result of general changes in estimates for various products as additional claims data and field information became available.

NOTE 10. DEFERRED REVENUE

As of December 31, 2013, the current and non-current liabilities related to deferred revenue were \$29.2 million and \$43.2 million, respectively. As of December 31, 2012, the current and non-current liabilities related to deferred revenue were \$21.6 million and \$42.6 million, respectively.

Deferred revenue for ETC activity (dollars in millions):

	Year ended December 31, 2013	Year ended December 31, 2012	Year ended December 31, 2011
Beginning balance	\$ 63.5	\$ 60.5	\$ 56.2
Increases	21.1	22.9	19.6
Revenue earned	(21.0)	(19.9)	(15.3)
Ending balance	<u>\$ 63.6</u>	<u>\$ 63.5</u>	<u>\$ 60.5</u>

Deferred revenue recorded in current liabilities related to unearned net sales for defense contracts for the years ended December 31, 2013, 2012 and 2011 was approximately \$8.8 million, \$0.7 million and \$0.2 million, respectively. During 2013, the Company recorded deferred revenue for payments received from the U.S. government for certain tracked transmissions that were not shipped at the request of the U.S. government.

NOTE 11. OTHER EXPENSE, NET

Other expense, net consists of the following (dollars in millions):

	Year ended December 31,		
	2013	2012	2011
Grant Program income	\$ 5.2	\$ 11.5	\$ 15.6
Impairment loss on investments in technology-related initiatives	(5.0)	(14.4)	—
Realized (loss) gain on derivative contracts (see NOTE 8)	(2.8)	(1.3)	5.2
Loss on foreign exchange	(2.4)	(2.6)	(6.7)
Loss on intercompany foreign exchange	(2.3)	—	—
Public offering fees and expenses	(1.6)	(6.1)	—
Unrealized (loss) gain on derivative contracts (see NOTE 8)	(1.5)	0.9	(6.8)
Loss on repayments and redemptions of long-term debt (see NOTE 7)	(0.8)	(22.1)	(16.0)
Termination of Sponsor services agreement (see NOTE 19)	—	(16.0)	—
Loss on re-measurement of employee benefit plans (see NOTE 13)	—	(2.3)	—
Vendor settlement	—	—	3.7
Gain on sale of land	—	—	0.7
Other	0.3	(0.4)	0.1
Total	<u>\$ (10.9)</u>	<u>\$ (52.8)</u>	<u>\$ (4.2)</u>

During the second quarter of 2013, the Company filed a shelf registration statement on Form S-3 for its common stock. During the third quarter of 2013, the Company completed an underwritten secondary public offering of 23,805,000 shares of its common stock held by investment funds affiliated with the Sponsors at a public offering price, less underwriting discounts and commissions, of \$21.175 per share. In connection with the offering, the Company repurchased from the underwriters 4,700,000 shares of the 23,805,000 shares at the price paid by the underwriters and subsequently retired those shares. During the fourth quarter of 2013, the Company completed two secondary public offerings of 15,000,000 shares and 12,500,000 shares, respectively, of its common stock held by investment funds affiliated with the Sponsors at a public offering price, less underwriting discounts and commissions, of \$23.10 and \$25.56, respectively, per share. The Company received no proceeds from any of these sales. For the years ended December 31, 2013, 2012, and 2011, the Company incurred \$1.6 million, \$6.1 million and \$0.0 million, respectively, of expenses related to public offerings.

In each of the first quarter and fourth quarter of 2013, the Company made \$2.5 million investments as part of an agreement signed in 2012 to expand our position in transmission technologies. Due to various uncertainties surrounding the investments including, but not limited to, the startup nature of the underlying business, its continued negative cash flow, undercapitalization and unproven business plan, the Company has impaired the investments to zero as of December 31, 2013. The related charge of \$5.0 million was recorded in Other expense, net in the Consolidated Statements of Comprehensive Income for the year ended December 31, 2013.

In 2009, the Company was notified by the U.S. Department of Energy that it was selected to receive matching funds from a grant program funded by the American Recovery and Reinvestment Act for the development of Hybrid manufacturing capacity in the U.S. (the “Grant Program”). All applicable costs associated with the Grant Program have been charged to Engineering — research and development while the Government’s matching reimbursement is recorded to Other expense, net in the Consolidated Statements of Comprehensive Income. Since inception of the Grant Program, the Company has recorded \$46.0 million of Grant Program income to Other expense, net in the Consolidated Statements of Comprehensive Income.

For the years ended December 31, 2013, 2012 and 2011, the Company recorded \$3.9 million, \$3.2 million and \$4.9 million, respectively, as a reduction of the basis of capital assets purchased under the Grant Program. Under the Grant Program, the Company has acquired approximately \$7.1 million of assets of which \$7.1 million have been placed in service, resulting in related depreciation of \$0.2 million, \$0.1 million and \$0.1 million for the years ended December 31, 2013, 2012 and 2011, respectively.

NOTE 12. OTHER CURRENT LIABILITIES

Other current liabilities consist of the following (dollars in millions):

	As of December 31, 2013	As of December 31, 2012
Payroll and related costs	\$ 37.6	\$ 47.5
Sales allowances	26.9	27.0
Derivative liabilities	20.2	34.6
Accrued interest payable	11.2	14.2
Defense price reduction reserve	26.8	12.0
Taxes payable	8.6	6.9
Vendor buyback obligation	11.8	13.9
Other accruals	9.2	11.3
Total	<u>\$ 152.3</u>	<u>\$ 167.4</u>

NOTE 13. EMPLOYEE BENEFIT PLANS

The Company’s hourly defined benefit pension plan generally provides benefits of negotiated, stated amounts for each year of service as well as significant supplemental benefits for employees who retire with 30 years of service before normal retirement age. For all hourly employees hired after May 18, 2008, the defined benefit pension plan was replaced with a defined contribution pension plan, and the company-sponsored retiree healthcare was also eliminated for those hired after May 18, 2008. The charge to expense for the hourly defined contribution pension plan was \$1.0 million, \$0.9 million and \$0.6 million for the years ended December 31, 2013, 2012 and 2011, respectively.

In accordance with the Asset Purchase Agreement, the Company’s hourly employees who retired prior to October 2, 2011 (the “Cutoff Date”) will have their pension and OPEB paid by GM. The Company was required, pursuant to the Asset Purchase Agreement, to transfer pension assets to GM’s pension plan to cover the Company’s portion of its pension liability related to the employees who retired prior to the Cutoff Date. During the second quarter of 2012, the Company completed the transfer of its pension obligation for certain qualified hourly employees to GM’s pension plan. The transfer required a re-measurement of the hourly defined benefit pension plan resulting in a one-time non-cash settlement charge of \$2.3 million recorded in Other expense, net in the Consolidated Statements of Comprehensive Income and a \$4.2 million reduction to the Company’s pension liability with corresponding adjustments to AOCL, net of tax. The employees who retired prior to the Cutoff Date are the responsibility of GM and will have their OPEB paid by GM. This resulted in a \$17.9 million gain to the Company’s 2011 actuarial valuation. Employees that retire subsequent to the Cutoff Date will have their Allison pension and OPEB paid by the Company and their GM pension benefit paid by GM.

The Company’s salaried defined benefit plan covering salaried employees with a service date prior to January 1, 2001 is generally based on years of service and compensation history. The salaried defined contribution retirement savings plan requires the Company to match employee contributions up to certain predefined limits based upon eligible base salary. In addition to the matching contribution, the Company is required to make a contribution equal to 1% of eligible base salary for salaried employees with a service date on or after January 1, 1993 to cover certain benefits in retirement that are different from salaried employees with a service date prior to January 1, 1993. In addition, for salaried employees with a service date on or after January 1, 2001, the Company is required to contribute to its defined contribution retirement savings plan an amount equal to 4% of eligible base salary under the program. The charge to expense for the salaried defined contribution retirement savings plan was \$5.4 million, \$5.1 million and \$4.7 million for the years ended December 31, 2013, 2012 and 2011, respectively.

The Company is also responsible for OPEB costs (medical, dental, vision, and life insurance) for hourly employees hired prior to May 19, 2008. Post-retirement benefit costs consist of service cost, interest cost on accrued obligations and the expected return on assets (calculated using a smoothed market value of assets). Any difference between actual and expected returns on assets during a year and actuarial gains and losses on liabilities together with any prior service costs are charged (or credited) to income over the average remaining service lives of employees. The benefit cost components shown in the Consolidated Statements of Comprehensive Income are based upon certain data specific to the Company, actuarial assumptions that were used for OPEB accounting disclosures, and certain allocation methodologies such as population demographics. The plan is unfunded and any future payments will be funded by the Company's operating cash flows. As of December 31, 2013 and 2012, the Company had an estimated OPEB liability for hourly employees hired prior to May 19, 2008, excluding those employees eligible to retire at the time of the Acquisition Transaction, of \$120.7 million and \$142.6 million, respectively.

As part of the Health Care Reform Act enacted in 2010, the Company has evaluated the impact on "High-cost Health Plans" in which employers offering health plan coverage exceeding certain thresholds must pay an excise tax equal to 40% of the value of the plan that exceeds the threshold amount. Although the excise tax does not come into effect until 2018, the Company has recorded \$3.6 million in its OPEB liability as of December 31, 2013 with a corresponding adjustment to AOCL, net of tax.

The Company provides contributions to certain international benefit plans; however, these contributions are not material for periods presented.

For all pension and OPEB plans in which employees participate, costs are determined within the FASB's authoritative accounting guidance set forth on employers' defined benefit pensions including accounting for settlements and curtailments of defined benefit pension plans, termination of benefits and accounting for post-retirement benefits other than pensions. In accordance with the authoritative accounting guidance, the Company recognizes the funded status of its defined benefit pension plans and OPEB plan in its Consolidated Balance Sheets with a corresponding adjustment to AOCL, net of tax.

Information about the net periodic benefit cost and other changes recognized in Accumulated Other Comprehensive Loss for the pension and post-retirement benefit plans is as follows (dollars in millions):

	Pension Plans			Post-retirement Benefits		
	Year ended December 31, 2013	Year ended December 31, 2012	Year ended December 31, 2011	Year ended December 31, 2013	Year ended December 31, 2012	Year ended December 31, 2011
Net Periodic Benefit Cost:						
Service cost	\$ 16.3	\$ 15.2	\$ 14.7	\$ 3.3	\$ 3.9	\$ 3.7
Interest cost	4.0	4.1	3.9	5.8	7.2	7.1
Expected return on assets	(6.7)	(5.9)	(4.2)	—	—	—
Prior service cost	0.1	0.1	0.1	(3.6)	—	—
Loss	0.7	1.2	1.0	—	—	—
Settlement loss	—	2.3	—	—	—	—
Net Periodic Benefit Cost	\$ 14.4	\$ 17.0	\$ 15.5	\$ 5.5	\$ 11.1	\$ 10.8
	Year ended December 31, 2013	Year ended December 31, 2012	Year ended December 31, 2011	Year ended December 31, 2013	Year ended December 31, 2012	Year ended December 31, 2011
Other changes recognized in other comprehensive (income) loss:						
Prior service credit	\$ —	\$ —	\$ (0.1)	\$ —	\$ (28.9)	\$ —
Net (gain) loss	(18.4)	(2.1)	7.7	(30.7)	3.8	18.9
Amortizations	(0.8)	(3.6)	(1.1)	3.6	—	—
Total recognized – other comprehensive (income) loss	\$ (19.2)	\$ (5.7)	\$ 6.5	\$ (27.1)	\$ (25.1)	\$ 18.9

The table below provides the weighted-average actuarial assumptions used to determine the net periodic benefit cost.

	Pension Plans			Post-retirement Benefits		
	Year ended December 31, 2013	Year ended December 31, 2012	Year ended December 31, 2011	Year ended December 31, 2013	Year ended December 31, 2012	Year ended December 31, 2011
Discount rate	3.90%	4.60%	5.60%	4.10%	4.60%	5.60%
Rate of compensation increase (salaried)	3.00%	4.00%	4.00%	N/A	N/A	N/A
Expected return on assets	7.00%	7.00%	7.00%	N/A	N/A	N/A

The table below provides the weighted-average actuarial assumptions used to determine the benefit obligations of the Company's plans.

	Pension Plans		Post-retirement Benefits	
	As of December 31,			
	2013	2012	2013	2012
Discount rate	4.80%	3.90%	4.90%	4.10%
Rate of compensation increase (salaried)	3.00%	3.00%	N/A	N/A

The Company's pension and OPEB costs are calculated using various actuarial assumptions and methodologies as prescribed by authoritative accounting guidance. These assumptions include discount rates, expected return on plan assets, health care cost trend rates, inflation, rate of compensation increases, mortality rates and other factors. The Company reviews all actuarial assumptions on an annual basis.

The discount rate is used to determine the present value of the Company's benefit obligations. The Company's discount rate is determined by matching the plans projected cash flows to a yield curve based on long-term, fixed income debt instruments available as of the measurement date of December 31, 2013.

The overall expected rate of return on plan assets is based upon historical and expected future returns consistent with the expected benefit duration of the plan for each asset group adjusted for investment and administrative fees.

Health care cost trends are used to project future post-retirement benefits payable from the Company's plans. For the Company's December 31, 2013 obligations, future post-retirement medical care costs were forecasted assuming an initial annual increase of 6.70%, decreasing to 4.50% by the year 2027. Future post-retirement prescription drug costs were forecasted assuming an initial annual increase of 6.00%, decreasing to 4.50% by the year 2027.

As health care costs trends have a significant effect on the amounts reported, the following effects of an increase and decrease of one-percentage-point would have the following effects in the year ended December 31, 2013 (dollars in millions):

	1% Increase	1% Decrease
Effect on total of service and interest cost	\$ 2.1	\$ (1.6)
Effect on post-retirement benefit obligation	\$ 23.0	\$ (18.2)

The following table provides a reconciliation of the changes in the net benefit obligations and fair value of plan assets for the years ended December 31, 2013, 2012 and 2011 (dollars in millions):

	Pension Plans			Post-retirement Benefits		
	Year ended December 31, 2013	Year ended December 31, 2012	Year ended December 31, 2011	Year ended December 31, 2013	Year ended December 31, 2012	Year ended December 31, 2011
Benefit Obligations:						
Net benefit obligation at beginning of year	\$ 103.3	\$ 99.7	\$ 71.4	\$ 142.6	\$ 156.6	\$ 127.0
Service cost	16.3	15.2	14.7	3.3	3.9	3.7
Interest cost	4.0	4.1	4.0	5.8	7.2	7.1
Plan Amendments	—	—	—	—	(28.9)	—
Settlements	—	(18.8)	—	—	—	—
Benefits paid	(0.8)	(0.4)	(0.3)	(0.3)	—	—
Actuarial (gain) loss	(16.9)	3.5	9.9	(30.7)	3.8	18.8
Net benefit obligation at end of year	<u>\$ 105.9</u>	<u>\$ 103.3</u>	<u>\$ 99.7</u>	<u>\$ 120.7</u>	<u>\$ 142.6</u>	<u>\$ 156.6</u>
Fair Value of Plan Assets:						
Fair value of plan assets at beginning of year	\$ 89.4	\$ 83.4	\$ 54.9	\$ —	\$ —	\$ —
Actual return on plan assets	8.2	11.5	6.6	—	—	—
Employer contributions	11.8	13.7	22.2	0.3	—	—
Settlements	—	(18.8)	—	—	—	—
Benefits paid	(0.8)	(0.4)	(0.3)	(0.3)	—	—
Fair value of plan assets at end of year	<u>\$ 108.6</u>	<u>\$ 89.4</u>	<u>\$ 83.4</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ —</u>
Net Funded Status	<u>\$ 2.7</u>	<u>\$ (13.9)</u>	<u>\$ (16.3)</u>	<u>\$ (120.7)</u>	<u>\$ (142.6)</u>	<u>\$ (156.6)</u>

In the second quarter of 2012, the Company completed its negotiation with GM to determine the amount of pension assets to be transferred from the Company to GM as required by the Asset Purchase Agreement. The Company transferred \$18.8 million of plan assets to GM to settle this obligation.

In the fourth quarter of 2012, the Company and the International Union, United Automobile, Aerospace and Agricultural Implement Workers of America (“UAW”) Local 933 entered into a new five year collective bargaining agreement that expires in November 2017. The multi-tiered wage and benefit structure from the prior agreement was retained and the parties agreed to additional changes, such as implementing a new retirement health care plan and eliminating the consumer price index based cost of living allowance that had been part of the prior agreement. As a result, the Company recorded a \$28.9 million favorable adjustment to the net benefit obligation.

The Company’s pension plan assets consist of money market funds, mutual funds, listed equities and publicly traded bonds. The Company’s valuation techniques used to fair value pension plan assets represents a market approach in active markets for identical assets that qualifies as Level 1 in the fair value hierarchy.

The fair values of plan assets for the Company’s pension plans as of December 31, 2013 and 2012 are as follows (dollars in millions):

Asset Category	Quoted Prices in Active Markets for Identical Assets (Level 1)			
	2013		2012	
	Fair Value	%	Fair Value	%
Cash and cash equivalents	\$ 3.6	3%	\$ 3.6	4%
Diversified equity securities	51.5	48	41.1	46
Diversified debt securities	53.5	49	44.7	50
Total	<u>\$ 108.6</u>	<u>100%</u>	<u>\$ 89.4</u>	<u>100%</u>

The Company's investment strategy with respect to pension plan assets is to invest the assets in accordance with laws and regulations. The long-term primary objectives for the Company's pension assets are to provide results that meet or exceed the plans' actuarially assumed long-term rate of return without subjecting the funds to undue risk. To achieve these objectives the Company has established the following targets:

Asset Category	Target	
	Hourly	Salary
Cash and cash equivalents	3%	3%
Diversified equity securities	42	51
Diversified debt securities	55	46
Total	<u>100%</u>	<u>100%</u>

Through 2013, the Company's investment committee has continued to evaluate the investments and take steps toward the established targets.

The following table discloses the amounts recognized in the balance sheet and in AOCL at December 31, 2013 and 2012, on a pre-tax basis (dollars in millions):

	Pension Plans		Post-retirement Benefits	
	As of December 31,			
	2013	2012	2013	2012
Amounts Recognized in Balance Sheet:				
Noncurrent assets	\$ 7.4	\$ —	\$ —	\$ —
Current liabilities	—	—	(1.4)	(1.2)
Noncurrent liabilities	(4.7)	(13.9)	(119.3)	(141.4)
Total asset (liability)	\$ 2.7	\$(13.9)	\$ (120.7)	\$ (142.6)
Accumulated Other Comprehensive Loss:				
Prior service (cost) credit	\$ (0.2)	\$ (0.3)	\$ 25.4	\$ 28.9
Actuarial gain (loss)	2.7	(16.4)	17.1	(13.5)
Total	\$ 2.5	\$(16.7)	\$ 42.5	\$ 15.4

The amounts in AOCL expected to be amortized and recognized as a component of net periodic benefit cost in 2014 are as follows (dollars in millions):

	2014	
	Pension Plans	Post-retirement Benefits
Prior service (cost) credit	\$ (0.1)	\$ 3.6
Actuarial loss	—	0.8
Total	\$ (0.1)	\$ 4.4

The accumulated benefit obligation for the Company's pension plans as of December 31, 2013 and 2012 was \$103.1 million and \$100.0 million, respectively.

As of December 31, 2013 and 2012, the projected benefit obligation, the accumulated benefit obligation, and the fair value of plan assets for pension plans with a projected benefit obligation in excess of plan assets and for pension plans with an accumulated benefit obligation in excess of plan assets were as follows (dollars in millions):

	Hourly Plan	Salary Plan		
	As of December 31,			
	2013	2012	2013	2012
Plans with projected benefit obligation in excess of plan assets:				
Projected benefit obligation	N/A ¹	\$51.9	\$53.8	\$51.4
Fair value of plan assets	N/A ¹	\$50.3	\$49.1	\$39.1
Plans with accumulated benefit obligation in excess of plan assets:				
Accumulated benefit obligation	N/A ¹	\$51.9	\$50.9	\$48.1
Fair value of plan assets	N/A ¹	\$50.3	\$49.1	\$39.1

¹ As of December 31, 2013, the hourly defined benefit pension plan had plan assets greater than both the projected benefit obligation and accumulated benefit obligation.

Information about expected cash flows for the Company's pension and post-retirement benefit plans is as follows (dollars in millions):

	Pension Plans	Post-retirement Benefits
Employer Contributions:		
2014 expected contributions	\$ 9.5	\$ 1.4
Expected Benefit Payments:		
2014	\$ 2.3	\$ 1.4
2015	3.2	2.3
2016	4.2	3.2
2017	5.0	4.1
2018	5.8	5.1
2019-2023	38.9	34.2

Expected benefit payments for pension and post-retirement benefits will be paid from plan trusts or corporate assets. The Company's funding policy is to contribute amounts annually that are at least equal to the amounts required by applicable laws and regulations or to directly fund payments to plan participants. Additional discretionary contributions will be made when deemed appropriate to meet the Company's long-term obligation to the plans.

In June 2012, the Company established a non-qualified deferred compensation plan ("Deferred Compensation Plan") for a select group of management. Under the terms of the plan, the Company has utilized a rabbi trust to accumulate assets to fund its promise to pay benefits under the Deferred Compensation Plan. The rabbi trust is an irrevocable trust, which restricts any use of funds (operational or otherwise) by the Company other than to pay benefits under the Deferred Compensation Plan, and prevents immediate taxation of contributed amounts. Funds are accumulated through both employee deferrals and a company match. Funds can be invested by the employee into a diversified group of investment options, which have been selected by the Company's investment committee, that are all categorized as Level 1 in the fair value hierarchy. The company match resulted in a charge of \$0.3 million, \$0.1 million, and \$0.0 million to the Consolidated Statements of Comprehensive Income for the years ended December 31, 2013, 2012 and 2011, respectively, and the fair value of the rabbi trust plan assets and deferred compensation obligation was \$1.3 million and \$0.2 million as of December 31, 2013 and 2012, respectively.

NOTE 14. STOCK-BASED COMPENSATION

In March 2012, the Company's Board of Directors adopted and the Company's stockholders approved the Allison Transmission Holdings, Inc. 2011 Equity Incentive Award Plan ("2011 Plan"), which became effective as of the day prior to the consummation of the Company's IPO. Under the 2011 Plan, certain employees (including executive officers), consultants and directors are eligible to receive equity-based compensation, including non-qualified stock options, incentive stock options, restricted stock, dividend equivalents, stock payments, restricted stock units ("RSU"), performance awards, stock appreciation rights and other equity-based awards, or any combination thereof. The 2011 Plan limits the aggregate number of shares of common stock available for issue to 15.3 million and will expire on, and no option or other equity award may be granted pursuant to the 2011 Plan after, the tenth anniversary of the date the 2011 Plan was approved by the Board of Directors.

Prior to the adoption of the 2011 Plan, the Company's equity-based awards were granted under the Equity Incentive Plan of Allison Transmission Holdings, Inc. ("Prior Plan"). As of the effective date of the 2011 Plan, no new awards will be granted under the Prior Plan, but the Prior Plan will continue to govern the equity awards issued under the Prior Plan.

Restricted Stock Units

RSUs were issued to certain employees in 2012 and 2013 and certain directors in 2013 under the 2011 Plan at fair market value at the date of grant. These awards entitle the holder to receive one common share for each RSU upon vesting, which generally occurs over either one, two or three years. A summary of RSU activity as of December 31, 2013 and 2012, and changes during the period then ended is presented below:

<u>Non-vested Shares:</u>	<u>RSUs (in millions)</u>	<u>Weighted-Average Grant-Date Fair Value</u>
Non-vested as of December 31, 2011	—	\$ —
Granted	1.0	20.20
Vested	—	—
Forfeited	—	—
Non-vested as of December 31, 2012	1.0	\$ 20.20
Granted	0.2	23.31
Vested	(0.4)	20.23
Forfeited	—	—
Non-vested as of December 31, 2013	0.8	\$ 20.90

As of December 31, 2013 and 2012, there was \$10.4 million and \$18.5 million, respectively, of unrecognized compensation cost related to non-vested RSU compensation arrangements granted under the 2011 Plan. This cost is expected to be recognized, on a straight line basis, over a period of approximately two years. RSU incentive compensation expense recorded was \$12.0 million, \$0.9 million and \$0.0 million for the years ended December 31, 2013, 2012 and 2011, respectively.

Pursuant to the share withholding provisions of the 2011 Plan, and the related RSU award agreement, certain employees, in lieu of paying withholding taxes on the vesting of RSUs, authorized the withholding of an aggregate of approximately 0.1 million shares of the Company's common stock to satisfy their minimum statutory tax withholding requirements related to such vesting events during the second and third quarters of 2013. These shares were recorded as a reduction to equity at the New York Stock Exchange ("NYSE") closing price per share on the applicable vesting dates of \$23.08 and \$22.75 per share, respectively, during the second and third quarter of 2013 for a total of approximately \$3.6 million.

Stock Options

Stock options granted under the Prior Plan after the completion of the Acquisition Transaction and through March 2012, have a per share exercise price based on the fair market value of the Company at the date of grant. Stock options granted under the 2011 Plan have a per share exercise price based on the closing price of a share of the Company's common stock as reported by the NYSE on the date of grant. All stock options expire 10 years after the grant date. The options vest upon the continued performance of services by the option holder over time, with either 20% or 33% of the award vesting on each anniversary of the grant date over three to five years for awards under the Prior Plan and 100% on December 15 of the year that is two years after the year of grant under the 2011 Plan. Upon termination of employment for reasons other than cause, retirement before the age of 65 with less than 90 points (calculated as age plus years of service), death or disability, the options shall cease to be exercisable ninety days following the date of the optionees' termination of service. Upon termination of employment for cause, the options shall not be exercisable on the date of such termination. Upon termination of employment for retirement at or after the age of 65, the options shall cease to be exercisable three years following such date. Upon termination of employment for retirement before the age of 65 with 90 or more points, the options shall cease to be exercisable two years following such date. Upon termination of employment for death or disability, the options shall cease to be exercisable twelve months following such date.

In accordance with the FASB's authoritative accounting guidance on stock compensation, each option grant is to be recorded at fair value. When options are granted, the Company used a Black-Scholes option pricing model to calculate the fair value of each option award using the assumptions noted in the following table:

	2013	2012	2011
Expected volatility	51%	N/A	101%
Expected dividend yield	1.2%	N/A	0.0%
Expected term (in years)	5.4	N/A	3.6
Expected forfeitures	0%	N/A	0%
Risk-free rate	1.6%	N/A	0.6% – 1.7%

Expected volatility is based on "the average volatilities of otherwise similar public entities" as defined by authoritative accounting guidance. The Company currently pays a \$0.12 dividend per quarter. The expected term is derived from the average of the weighted vesting life and the contractual term. The risk-free rate for periods within the contractual life of the option is based on the U.S. Treasury yield curve in effect at the time of grant. The Company has assumed no forfeitures primarily because of a history of retaining senior executives.

A summary of option activity as of December 31, 2013, 2012 and 2011, and changes during the period then ended is presented below:

	Options (in millions)	Weighted- Average Exercise Price	Weighted-Average Remaining Contractual Term
Outstanding as of December 31, 2010	14.8	\$ 13.42	5.94 years
Exercisable as of December 31, 2010	8.4	\$ 13.38	5.84 years
Granted	0.1	\$ 8.44	
Exercised	—	—	
Forfeited or expired	—	—	
Outstanding as of December 31, 2011	14.9	\$ 13.40	4.94 years
Exercisable as of December 31, 2011	11.5	\$ 13.37	4.88 years
Granted	—	—	
Exercised	(2.7)	—	
Forfeited or expired	(0.3)	—	
Outstanding as of December 31, 2012	11.9	\$ 14.01	4.93 years
Exercisable as of December 31, 2012	11.8	\$ 14.02	4.91 years
Granted	0.6	\$ 23.39	
Exercised	(3.8)	—	
Forfeited or expired	—	—	
Outstanding as of December 31, 2013	8.7	\$ 15.33	4.30 years
Exercisable as of December 31, 2013	8.1	\$ 14.79	3.94 years

The weighted-average grant-date fair value of options granted during the years ended December 31, 2013, 2012 and 2011 was \$9.76, \$0.0 and \$5.43, respectively. The total fair value of shares vested during the years ended December 31, 2013, 2012 and 2011 was \$0.7 million, \$7.5 million and \$8.1 million, respectively. The total intrinsic value of stock options exercised during the years ended December 31, 2013 and 2012 was \$58.0 million and \$24.6 million, respectively. The aggregate intrinsic value of shares outstanding and exercisable was \$106.8 million and \$103.8 million as of December 31, 2013, and \$77.5 million and \$76.7 million as of December 31, 2012, respectively.

A summary of the status of the Company's non-vested stock options as of December 31, 2013, 2012 and 2011, and changes during the period ended December 31, 2013, 2012 and 2011 is presented below:

Non-vested Stock Options:	Options (in millions)	Weighted-Average Grant-Date Fair Value
Non-vested at December 31, 2010	6.3	\$ 2.62
Granted	0.1	5.43
Vested	(3.0)	2.67
Forfeited	—	—
Non-vested at December 31, 2011	3.4	\$ 2.81
Granted	—	—
Vested	(2.9)	2.58
Forfeited	(0.3)	4.00
Non-vested at December 31, 2012	0.2	\$ 4.34
Granted	0.6	9.76
Vested	(0.2)	3.59
Forfeited	—	—
Non-vested at December 31, 2013	0.6	\$ 9.06

As of December 31, 2013, 2012 and 2011, there was \$4.2 million, \$0.5 million and \$9.5 million, respectively, of unrecognized compensation cost related to non-vested stock option compensation arrangements granted under the Prior Plan and the 2011 Plan. This cost is expected to be recognized, on a straight line basis, over a period of approximately two years. Stock option incentive compensation expense recorded was \$1.7 million, \$5.5 million and \$8.0 million for the years ended December 31, 2013, 2012 and 2011, respectively.

NOTE 15. INCOME TAXES

Income taxes are accounted for under the asset and liability method. Deferred tax assets and liabilities are recognized for the expected future tax consequences attributable to temporary differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases. The future tax benefits associated with operating loss and tax credit carryforwards are recognized as deferred tax assets. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled.

The need to establish a valuation allowance against the deferred tax assets is assessed periodically based on a more-likely-than-not realization threshold, in accordance with authoritative accounting guidance. Appropriate consideration is given to all positive and negative evidence related to that realization. This assessment considers, among other matters, the nature, frequency and severity of recent losses, forecasts of future profitability, the duration of statutory carryforward periods, experience with tax attributes expiring unused, and tax planning alternatives. The weight given to these considerations depends upon the degree to which they can be objectively verified.

During 2012, management determined, based on the evaluation of both objective and subjective evidence available, that the domestic valuation allowance was no longer necessary and that it is more likely than not that the deferred tax assets are fully realizable. The Company has reached a sustained period of profitability and objectively measured positive evidence outweighed the negative evidence. Accordingly, in 2012, the Company recognized an income tax benefit as a result of the release of the valuation allowance which had previously been recorded against the deferred tax assets. The Company continues to provide for a valuation allowance on certain of its foreign deferred tax assets.

Income before income taxes included the following (dollars in millions):

	Year ended December 31,		
	2013	2012	2011
U.S. income	\$259.0	\$204.1	\$133.8
Foreign income	7.1	12.1	16.8
Total	<u>\$266.1</u>	<u>\$216.2</u>	<u>\$150.6</u>

The provision for income tax expense (benefit) was estimated as follows (dollars in millions):

	Year ended December 31,		
	2013	2012	2011
Estimated current income taxes:			
U.S. federal	\$ 0.2	\$ 1.5	\$ —
Foreign	1.9	3.9	6.7
U.S. state and local	0.6	0.4	1.1
Total Current	2.7	5.8	7.8
Deferred income tax expense (credit), net:			
U.S. federal	87.6	(282.5)	37.5
Foreign	0.1	0.1	(0.4)
U.S. state and local	10.3	(21.4)	2.7
Total Deferred	98.0	(303.8)	39.8
Total income tax expense	<u>\$100.7</u>	<u>\$(298.0)</u>	<u>\$47.6</u>

Cash paid for income taxes for the years ended December 31, 2013, 2012 and 2011 was \$3.8 million, \$10.7 million and \$5.8 million, respectively.

A reconciliation of the provision for income tax expense compared with the amounts at the U.S. federal statutory rate is as follows (dollars in millions):

	Year ended December 31,		
	2013	2012	2011
Tax at U.S. statutory income tax rate	\$ 93.1	\$ 75.7	\$ 52.9
Foreign rate differential	(0.7)	(2.6)	(2.0)
Non-deductible expenses	0.8	4.2	5.6
Valuation allowance	1.0	(384.1)	(19.2)
State tax expense	7.3	5.7	4.4
Adjustment to deferred tax expense	(0.3)	2.2	4.3
Branch income taxes-not creditable	—	—	(0.1)
Other adjustments	(0.5)	0.9	1.7
Total income tax expense	<u>\$100.7</u>	<u>\$(298.0)</u>	<u>\$ 47.6</u>

Deferred income tax assets and liabilities for 2013 and 2012 reflect the effect of temporary differences between amounts of assets, liabilities and equity for financial reporting purposes and the bases of such assets, liabilities and equity as measured by tax laws, as well as tax loss and tax credit carryforwards. The Company has not recognized any deferred tax liabilities associated with investments and earnings in foreign subsidiaries as they are intended to be permanent in duration. Such amounts may become taxable upon an actual or deemed repatriation in the future. Management believes that estimating an unrecognized deferred tax liability is unnecessary at this time.

Temporary differences and carryforwards that gave rise to deferred tax assets and liabilities included the following (dollars in millions):

	As of December 31, 2013	As of December 31, 2012
Deferred tax assets:		
Inventories	\$ 4.6	\$ 4.0
Warranty accrual	32.7	39.2
Sales allowances and rebates	7.9	8.0
Deferred revenue	24.0	24.2
Post-retirement health care	—	8.0
Intangibles	83.6	112.4
Other accrued liabilities	27.2	22.0
Unrealized loss on interest rate derivatives	3.7	20.0
Operating loss carryforwards	140.7	145.3
Stock based compensation	12.5	10.6
Technology-related investments	6.8	4.4
Loan fees	0.9	1.5
Pension	—	5.6
Other	10.4	13.9
Total Deferred tax assets	<u>355.0</u>	<u>419.1</u>
Valuation allowances	<u>(2.8)</u>	<u>(1.7)</u>
Deferred tax liabilities:		
Property, plant and equipment	(22.0)	(25.8)
Loan fees	—	—
Goodwill	(280.3)	(261.1)
Trade name	(60.6)	(29.3)
Product warranty liabilities	(5.6)	(10.6)
Pension	(0.5)	—
Post-retirement health care	(0.2)	—
Other liabilities	—	(3.1)
Total Deferred tax liabilities	<u>(369.2)</u>	<u>(329.9)</u>
Net Deferred tax (liability) asset	<u>\$ (17.0)</u>	<u>\$ 87.5</u>

Of the estimated net operating loss carryforwards as of December 31, 2013, approximately 88% relates to U.S. federal net operating loss carryforwards and approximately 7% relates to the U.S. state net operating loss carryforwards. Substantially all U.S. Federal and State operating loss carryforwards will not expire until 2027-2032. Should either of the Sponsors sell a significant portion of their holdings, the Company may experience a delay in its ability to recognize net operating losses under the applicable internal revenue code.

During 2012, management determined, based on the evaluation of both objective and subjective evidence available, that the domestic valuation allowance was no longer necessary and that it is more likely than not that the deferred tax assets are fully realizable. The Company has reached a sustained period of profitability and objectively measured positive evidence outweighed the negative evidence. Accordingly, in 2012, the Company recognized an income tax benefit as a result of the release of the valuation allowance which had previously been recorded against the deferred tax assets. The Company continues to provide for a valuation allowance on certain of its foreign deferred tax assets. The change in the valuation allowance and related considerations are as follows (dollars in millions):

December 31, 2010	\$ 401.9
Reductions	(11.0)
December 31, 2011	\$ 390.9
Reductions	(389.2)
December 31, 2012	\$ 1.7
Additions	<u>1.1</u>
December 31, 2013	<u>\$ 2.8</u>

In accordance with the FASB's authoritative guidance on accounting for uncertainty in income taxes, the Company has recorded a liability for unrecognized tax benefits related to the 2010 Research & Development Credit. The Company had no liability for unrecognized tax benefits for the years ended December 31, 2012 and 2011. The accounting guidance prescribes a recognition threshold and measurement attributes for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. All of the returns (when filed) will remain subject to examination by the various taxing authorities for the duration of the applicable statute of limitations (generally three years from the earlier of the date of filing or the due date of the return). The change in the liability for unrecognized tax benefits are as follows (dollars in millions):

December 31, 2010	\$ —
December 31, 2011	\$ —
December 31, 2012	\$ —
Increases in unrecognized tax benefits as a result of current year activity	<u>2.3</u>
December 31, 2013	<u>\$ 2.3</u>

For the years ended December 31, 2013, 2012 and 2011, the Company recognized no interest and penalties in the Consolidated Statements of Comprehensive Income. The Company follows a policy of recording any tax related interest or penalties in Income tax expense.

In September 2013, the U.S. Treasury Department and Internal Revenue Service issued final Tangible Property Regulations ("TPR"). The regulations are not effective until tax years beginning on or after January 1, 2014; however, certain portions may require an accounting method change on a retroactive basis, thus requiring an adjustment related to fixed and real asset deferred taxes. The accounting rules treat the release of the regulations as a change in tax law as of the date of issuance and require the Company to determine whether there will be an impact on its financial statements for the period ended December 31, 2013. Any such impact of the final tangible property regulations would affect temporary deferred taxes only and result in a balance sheet reclassification between current and non-current deferred taxes. The Company has analyzed the expected impact of the TPR on the financial statements and concluded that the expected impact is minimal. The Company will continue to monitor the impact of any future changes to the TPR on the Company prospectively.

NOTE 16. COMPREHENSIVE INCOME

The Company’s comprehensive income consists of unrealized net gains and losses on the translation of the assets and liabilities of its foreign operations, available-for-sale securities, and pension and OPEB liability adjustments. The following table reconciles net income to comprehensive income with the related tax effects (dollars in millions):

<u>Comprehensive Income</u>			
	<u>Before Tax</u>	<u>Tax (Expense) Benefit</u>	<u>After Tax</u>
Year ended December 31, 2011			
Net income	\$ 150.6	\$ (47.6)	\$ 103.0
Foreign currency translation	(11.6)	—	(11.6)
Pension and OPEB liability adjustment	(22.6)	—	(22.6)
Available-for-sale securities	3.2	—	3.2
Total comprehensive income	<u>\$ 119.6</u>	<u>\$ (47.6)</u>	<u>\$ 72.0</u>
Year ended December 31, 2012			
Net income	\$ 216.2	\$ 298.0	\$ 514.2
Foreign currency translation	(0.7)	—	(0.7)
Pension and OPEB liability adjustment	26.7	(11.6)	15.1
Available-for-sale securities	(2.0)	0.7	(1.3)
Total comprehensive income	<u>\$ 240.2</u>	<u>\$ 287.1</u>	<u>\$ 527.3</u>
Year ended December 31, 2013			
Net income	\$ 266.1	\$ (100.7)	\$ 165.4
Foreign currency translation	(5.0)	—	(5.0)
Pension and OPEB liability adjustment	46.4	(17.4)	29.0
Available-for-sale securities	(1.9)	0.8	(1.1)
Total comprehensive income	<u>\$ 305.6</u>	<u>\$ (117.3)</u>	<u>\$ 188.3</u>

The following table shows the location in the Consolidated Statements of Comprehensive Income affected by reclassifications from AOCL (dollars in millions):

AOCL Components	<u>For the year ended December 31, 2013</u>	
	<u>Amount reclassified from AOCL</u>	<u>Affected line item in the consolidated statements of comprehensive income</u>
Amortization of defined benefit pension items:		
Prior service cost	\$ 2.4	Cost of sales
	0.9	Selling, general and administrative
Actuarial loss	(0.3)	Selling, general and administrative
	(0.3)	Engineering – research and development
Total reclassifications, before tax	2.7	Income before income taxes
Income tax expense	(1.1)	Tax expense
Total reclassifications	<u>\$ 1.6</u>	Net of tax

Prior service cost and actuarial loss are included in the computation of the Company’s net periodic benefit cost. Please see NOTE K for additional details.

NOTE 17. COMMITMENTS AND CONTINGENCIES**Operating Leases**

The Company leases certain facilities under various operating leases. Rent expense under the non-cancelable operating leases was \$5.7 million, \$5.5 million, and \$6.6 million for the years ended December 31, 2013, 2012 and 2011, respectively. Certain leases contain renewal options.

As of December 31, 2013, future payments under non-cancelable operating leases are as follows over each of the next five years and thereafter (dollars in millions):

2014	\$ 4.6
2015	2.6
2016	1.1
2017	0.5
2018	0.4
Thereafter	1.6
Total	<u>\$10.8</u>

Claims, Disputes, and Litigation

The Company is party to various legal actions and administrative proceedings and subject to various claims arising in the ordinary course of business. These proceedings primarily involve commercial claims, product liability claims, personal injury claims and workers' compensation claims. The Company believes that the ultimate liability, if any, in excess of amounts already provided for in the consolidated financial statements or covered by insurance on the disposition of these matters will not have a material adverse effect on the financial position, results of operations or cash flows of the Company.

NOTE 18. CONCENTRATION OF RISK

As of December 31, 2013 and 2012, the Company employed approximately 2,700 and 2,800 employees, respectively with 90% of those employees in the U.S. Approximately 60% of the Company's U.S. employees were represented by unions and subject to a collective bargaining agreement as of December 31, 2013 and 2012. In addition, many of the hourly employees outside the U.S. are represented by various unions. The Company is currently operating under a collective bargaining agreement with the UAW Local 933 that expires in November 2017.

Three customers accounted for greater than 10% of net sales within the last three years presented.

% of net sales	Year ended December 31,		
	2013	2012	2011
Daimler AG	17%	13%	10%
Navistar, Inc.	10%	11%	12%
Oshkosh Corporation	8%	11%	8%

No other customers accounted for more than 10% of net sales of the Company during the years ended December 31, 2013, 2012 or 2011.

Three customers accounted for greater than 10% of outstanding accounts receivable within the last two years presented.

% of accounts receivable	As of	As of
	December 31, 2013	December 31, 2012
Daimler AG	15%	10%
AB Volvo.	11%	7%
Navistar, Inc.	10%	13%

No other customers accounted for more than 10% of the outstanding accounts receivable as of December 31, 2013 or December 31, 2012.

One supplier accounted for greater than 10% of materials purchased for the periods presented:

% of material purchased	Year ended December 31,		
	2013	2012	2011
Linamar Corporation Inc.	13%	13%	12%

No other supplier accounted for more than 10% of materials purchased during the years ended December 31, 2013, 2012 or 2011.

NOTE 19. CERTAIN RELATIONSHIPS AND RELATED PARTY TRANSACTIONS

On August 7, 2007, the Sponsors entered into a services agreement with ATI, pursuant to which ATI paid the Sponsors an annual fee of \$3.0 million (shared equally by the Sponsors) for certain advisory, consulting and other services to be performed by the Sponsors, exclusive of the reimbursements for certain out-of-pocket expenses incurred in connection with the performance of such services, and additional reasonable compensation for other services provided by the Sponsors from time to time, including consulting and other services with respect to acquisitions and divestitures or sales of equity or debt instruments. In March 2012, the Company and the Sponsors agreed to terminate the services agreement. The Company agreed to make a one-time termination payment of \$16.0 million, representing the present value of payments over the estimated term of the services agreement.

Senior Notes Held by Executive Officers

As of December 31, 2013, Lawrence E. Dewey, our Chairman, President and Chief Executive Officer, David S. Graziosi, our Executive Vice President, Chief Financial Officer and Treasurer, and Robert M. Price, our Vice President, Human Resources, held approximately \$100,000, \$450,000, and \$150,000, respectively, in aggregate principal amount of the 7.125% Senior Notes.

Repurchase of Common Stock held by Sponsors

During the third quarter of 2013, the Company completed an underwritten secondary public offering of 23,805,000 shares of its common stock held by investment funds affiliated with the Sponsors at a public offering price, less underwriting discounts and commissions, of \$21.175 per share. In connection with the offering, the Company repurchased from the underwriters 4,700,000 shares of the 23,805,000 shares at the price paid by the underwriters and subsequently retired those shares.

NOTE 20. EARNINGS PER SHARE

The Company presents both basic and diluted earnings per share ("EPS") amounts. Basic EPS is calculated by dividing net income by the weighted average number of common shares outstanding during the reporting period. Diluted EPS is calculated by dividing net income by the weighted average number of common shares and common equivalent shares outstanding during the reporting period that are calculated using the treasury stock method for stock-based awards. The treasury stock method assumes that the Company uses the proceeds from the exercise of awards to repurchase common stock at the average market price during the period. The assumed proceeds under the treasury stock method include the purchase price that the grantee will pay in the future, compensation cost for future service that the Company has not yet recognized and any tax benefits that would be credited to additional paid-in-capital when the award generates a tax deduction. If there would be a shortfall resulting in a charge to additional paid-in-capital, such an amount would be a reduction of the proceeds to the extent of the gains.

The following table reconciles the numerators and denominators used to calculate basic EPS and diluted EPS (in millions, except per share data):

	Year ended December 31,		
	2013	2012	2011
Net income	\$165.4	\$514.2	\$103.0
Weighted average shares of common stock outstanding	184.5	182.0	181.4
Dilutive effect stock-based awards	3.4	4.2	1.9
Diluted weighted average shares of common stock outstanding	187.9	186.2	183.3
Basic earnings per share attributable to common stockholders	\$ 0.90	\$ 2.83	\$ 0.57
Diluted earnings per share attributable to common stockholders	\$ 0.88	\$ 2.76	\$ 0.56

NOTE 21. GEOGRAPHIC INFORMATION

The Company had the following net sales by country as follows (dollars in millions):

	Year ended December 31,		
	2013	2012	2011
United States	\$1,354.3	\$1,509.6	\$1,532.7
China	141.0	136.4	93.3
Canada	88.6	123.0	165.6
Germany	53.9	39.1	42.9
United Kingdom	42.5	74.1	58.2
Japan	37.0	52.0	46.5
Other	209.5	207.6	223.6
Total	<u>\$1,926.8</u>	<u>\$2,141.8</u>	<u>\$2,162.8</u>

The Company had net long-lived assets by country as follows (dollars in millions):

	Year ended December 31,		
	2013	2012	2011
United States	\$478.7	\$493.6	\$492.5
India	59.9	76.8	62.1
Hungary	18.1	18.4	18.3
Others	6.7	7.4	8.9
Total	<u>\$563.4</u>	<u>\$596.2</u>	<u>\$581.8</u>

NOTE 22. QUARTERLY FINANCIAL INFORMATION

The following is a summary of the unaudited quarterly results of operations. The Company believes that all adjustments considered necessary for a fair presentation in accordance with GAAP have been included (unaudited, in millions, except per share data).

	Quarter ended,			
	March 31	June 30	September 30	December 31
2013				
Net sales	\$ 457.4	\$512.1	\$ 466.3	\$ 491.0
Gross profit	198.3	226.1	206.1	211.4
Operating income	81.4	117.7	111.2	99.6
Income before income taxes	44.4	81.8	72.4	67.5
Net income	27.5	50.5	44.5	42.9
Basic earnings per share	\$ 0.15	\$ 0.27	\$ 0.24	\$ 0.24
Diluted earnings per share	\$ 0.15	\$ 0.26	\$ 0.24	\$ 0.23
2012				
Net sales	\$ 601.9	\$559.4	\$ 493.5	\$ 487.0
Gross profit	283.8	251.9	224.4	194.2
Operating income	154.7	119.6	91.8	54.1
Income before income taxes	83.2	62.7	49.2	21.1
Net income	58.0	412.8	32.2	11.2
Basic earnings per share	\$ 0.32	\$ 2.28	\$ 0.18	\$ 0.06
Diluted earnings per share	\$ 0.31	\$ 2.21	\$ 0.17	\$ 0.06

The Company's 2012 quarterly results were affected by certain nonrecurring items. In the quarter ended June 30, 2012, the Company recorded an income tax benefit of \$384.8 million related to the release of the Company's valuation allowance against its deferred tax asset.

NOTE 23. SUBSEQUENT EVENTS

On December 31, 2013, the Company entered into Amendment No. 9 to the Credit Agreement, dated as of August 7, 2007 which allowed the Company to add up to an additional \$90.0 million to the revolving portion of its Senior Secured Credit Facility prior to February 15, 2014. As of February 15, 2014, the Company had \$465.0 million available under the revolving portion of its Senior Secured Credit Facility.

Allison Transmission Holdings, Inc.
Schedule I—Parent Company only Balance Sheets
(dollars in millions)

	December 31, 2013	December 31, 2012
ASSETS		
Current Assets:		
Cash	\$ —	\$ —
Total Current Assets	—	—
Investments in and advances to subsidiaries	1,438.8	1,356.9
TOTAL ASSETS	<u>\$ 1,438.8</u>	<u>\$ 1,356.9</u>
LIABILITIES AND STOCKHOLDERS' EQUITY		
Current Liabilities:		
Accounts payable	\$ —	\$ —
Total Current Liabilities	—	—
Capital stock	1.8	1.8
Additional paid-in-capital	1,631.8	1,601.5
Treasury stock	—	(0.2)
Accumulated deficit	(173.8)	(202.3)
Accumulated other comprehensive loss, net of tax	(21.0)	(43.9)
TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY	<u>\$ 1,438.8</u>	<u>\$ 1,356.9</u>

The accompanying note is an integral part of the Parent Company only financial statements.

Allison Transmission Holdings, Inc.
Schedule I—Parent Company only Statements of Comprehensive Income
(dollars in millions)

	Year ended December 31,		
	2013	2012	2011
Net sales	\$ —	\$ —	\$ —
General and administrative fees	—	—	—
Total operating income	—	—	—
Other income:			
Equity earnings of consolidated subsidiary	165.4	514.2	103.0
Income before income taxes	165.4	514.2	103.0
Income tax expense	—	—	—
Net income	<u>165.4</u>	<u>514.2</u>	<u>103.0</u>
Comprehensive income	<u>165.4</u>	<u>514.2</u>	<u>103.0</u>

The accompanying note is an integral part of the Parent Company only financial statements.

Allison Transmission Holdings, Inc.
Schedule I—Parent Company only Statements of Cash Flows
(dollars in millions)

	Year ended December 31,		
	2013	2012	2011
CASH FLOWS FROM OPERATING ACTIVITIES:			
Net income	\$ 165.4	\$ 514.2	\$ 103.0
Deduct items included in net income not providing cash:			
Equity in earnings in consolidated subsidiary	(165.4)	(514.2)	(103.0)
Net cash provided by operating activities	—	—	—
CASH FLOWS FROM INVESTING ACTIVITIES:			
Investments in subsidiaries	(46.3)	(29.0)	—
Dividends	77.1	32.8	—
Net cash provided by investing activities	30.8	3.8	—
CASH FLOWS FROM FINANCING ACTIVITIES:			
Capital contributions	46.3	29.0	—
Dividends	(77.1)	(32.8)	—
Net cash used in financing activities	(30.8)	(3.8)	—
Net increase (decrease) during period	—	—	—
Cash and cash equivalents at beginning of period	—	—	—
Cash and cash equivalents at end of period	<u>\$ —</u>	<u>\$ —</u>	<u>\$ —</u>

The accompanying note is an integral part of the Parent Company only financial statements.

Allison Transmission Holdings, Inc.
Schedule I—Parent Company only Footnote

NOTE 1—BASIS OF PRESENTATION

Allison Transmission Holdings, Inc. (the “Parent Company”) is a holding company that conducts all of its business operations through its subsidiaries. There are restrictions on the Parent Company’s ability to obtain funds from its subsidiaries through dividends (refer to NOTE 7 of the Consolidated Financial Statements). The entire amount of our consolidated net assets was subject to restrictions on payment of dividends at the end of December 31, 2013 and 2012. Accordingly, these financial statements have been presented on a “parent-only” basis. Under a parent-only presentation, the Parent Company’s investments in its consolidated subsidiaries are presented under the equity method of accounting. These parent-only financial statements should be read in conjunction with Allison Transmission Holdings, Inc.’s audited Consolidated Financial Statements included elsewhere herein.

ITEM 9. Changes in and Disagreements With Accountants on Accounting and Financial Disclosure

None.

ITEM 9A. Controls and Procedures

Evaluation of Disclosure Controls and Procedures

Our management, with the participation of our Chief Executive Officer and Chief Financial Officer, evaluated the effectiveness of our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act), as of December 31, 2013. In designing and evaluating the disclosure controls and procedures, management recognized that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving the desired control objectives. In addition, the design of disclosure controls and procedures must reflect the fact that there are resource constraints and that management is required to apply its judgment in evaluating the benefits of possible controls and procedures relative to their costs.

Based on the evaluation, our Chief Executive Officer and Chief Financial Officer concluded that our disclosure controls and procedures as of December 31, 2013, the end of the period covered by this Annual Report on Form 10-K, were effective to provide reasonable assurance that information we are required to disclose in reports that we file or submit under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission rules and forms, and that such information is accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure.

Management's Report on Internal Control Over Financial Reporting

Our management is responsible for establishing and maintaining adequate internal control over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) under the Exchange Act). Our internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, we conducted an assessment of the effectiveness of our internal control over financial reporting as of December 31, 2013. In making this assessment, our management used the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission in *Internal Control—Integrated Framework* (1992). Based on this assessment, management concluded that our internal control over financial reporting was effective as of December 31, 2013. PricewaterhouseCoopers LLP, our independent registered public accounting firm, has audited the effectiveness of our internal control over financial reporting as of December 31, 2013. Their report is included in Part II, Item 8, "Financial Statements and Supplementary Data" in this Annual Report on Form 10-K.

Changes in Internal Control over Financial Reporting

There were no changes in our internal control over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) under the Exchange Act) during the quarter ended December 31, 2013 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

ITEM 9B. Other Information

On February 18, 2014, the Compensation Committee of the Board of Directors of the Company authorized a plan pursuant to which the Company would enter into a Change in Control Severance Agreement ("Agreement") in an approved form with each of the Company's Senior Vice President, Operations and Purchasing; Senior Vice President, Global Marketing, Sales and Service; Vice President, Product Engineering; and Vice President, General Counsel and Secretary. The form of Agreement provides for payment of severance to the executive upon the termination of executive's employment without cause or the resignation of employment by the executive for good reason, in either case within two years after a change in control of the Company. The severance will be in an amount equal to two times (1) annual base salary plus (2) target bonus amount. In addition, the form of Agreement provides that all unvested equity or equity-based awards will fully vest upon a qualifying termination, and the executive will have additional time to exercise stock options granted under the Company's equity compensation plans, provided that, unless a provision more favorable to the executive is included in an applicable award agreement, any such awards that are subject to performance-based vesting conditions shall only be payable subject to the attainment of the performance measures for the applicable performance period as provided under the terms of the applicable award agreement.

The above description is qualified in its entirety by reference to the form of Change in Control Severance Agreement which is attached hereto as Exhibit 10.34.

PART III.

ITEM 10. Directors, Executive Officers and Corporate Governance

The information required by this Item concerning our executive officers, directors and nominees for director, Audit Committee members and financial expert(s) and disclosure of delinquent filers under Section 16(a) of the Exchange Act is incorporated herein by reference from our definitive Proxy Statement for our 2014 annual meeting of stockholders which will be filed with the SEC pursuant to Regulation 14A within 120 days after the end of our last fiscal year.

Code of Business Conduct

We have adopted the Allison Code of Business Conduct that applies to all of our directors and officers and other employees, including our principal executive officer, principal financial officer and principal accounting officer. This code is publicly available through the Investor Relations section of our website at www.allisontransmission.com. We will post on the Investor Relations section of our website any amendment to the code of business conduct, or any grant of a waiver from a provision of the code of business conduct.

ITEM 11. Executive Compensation

The information required by this Item concerning remuneration of our executive officers and directors, material transactions involving such executive officers and directors and Compensation Committee interlocks, as well as the Compensation Committee Report, are incorporated herein by reference to our definitive Proxy Statement for our 2014 annual meeting of stockholders which will be filed with the SEC pursuant to Regulation 14A within 120 days after the end of our last fiscal year.

ITEM 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters

The information required by this Item concerning the stock ownership of management, five percent beneficial owners and securities authorized for issuance under equity compensation plans is incorporated herein by reference to our definitive Proxy Statement for our 2014 annual meeting of stockholders which will be filed with the SEC pursuant to Regulation 14A within 120 days after the end of our last fiscal year.

ITEM 13. Certain Relationships and Related Transactions, and Director Independence

The information required by this Item concerning certain relationships and related person transactions, and director independence is incorporated herein by reference to our definitive Proxy Statement for our 2014 annual meeting of stockholders which will be filed with the SEC pursuant to Regulation 14A within 120 days after the end of our last fiscal year.

ITEM 14. Principal Accounting Fees and Services

The information required by this Item concerning the fees and services of our independent registered public accounting firm and our Audit Committee actions with respect thereto is incorporated herein by reference to our definitive Proxy Statement for our 2014 annual meeting of stockholders which will be filed with the SEC pursuant to Regulation 14A within 120 days after the end of our last fiscal year.

PART IV.

ITEM 15. Exhibits, Financial Statement Schedules

(a)(1) Financial Statements.

The response to this item is included in Part II, Item 8, of this Annual Report on Form 10-K.

(a)(2) Financial Statement Schedules.

Schedule I is included in Part II, Item 8, of this Annual Report on Form 10-K. All other schedules have been omitted because they are not required or because the information required is included in the consolidated financial statements and notes thereto.

(a)(3) Exhibits

See the response to Item 15(b) below.

(b) Exhibits

The following exhibits are filed as part of, or are incorporated by reference into, this Annual Report on Form 10-K:

<u>Exhibit No.</u>	<u>DESCRIPTION OF EXHIBIT</u>
3.1	Amended and Restated Certificate of Incorporation of Allison Transmission Holdings, Inc. (incorporated by reference to Exhibit 3.1 to the Registrant's Quarterly Report on Form 10-Q for the quarter ended March 31, 2012 filed on April 26, 2012)
3.2	Amended and Restated Bylaws of Allison Transmission Holdings, Inc. (incorporated by reference to Exhibit 3.2 to the Registrant's Quarterly Report on Form 10-Q for the quarter ended March 31, 2012 filed on April 26, 2012)
4.1	Form of Stock Certificate (incorporated by reference to Exhibit 4.1 to Amendment No. 3 to the Registrant's Registration Statement on Form S-1 filed June 16, 2011)
4.2	Indenture governing the 11.0% Senior Notes due 2015, among Allison Transmission, Inc. as Issuer, the Guarantors named therein, and Wells Fargo Bank, National Association, as trustee, dated October 16, 2007 (incorporated by reference to Exhibit 4.2 to the Registrant's Registration Statement on Form S-1 filed March 18, 2011)
4.3	Form of 11.0% Senior Note due 2015 (included in Exhibit 4.2)
4.4	Indenture governing the 11.25% Senior Toggle Notes due 2015, among Allison Transmission, Inc. as Issuer, the Guarantors named therein, and Wells Fargo Bank, National Association, as trustee, dated October 17, 2007 (incorporated by reference to Exhibit 4.4 to the Registrant's Registration Statement on Form S-1 filed March 18, 2011)
4.5	Form of 11.25% Senior Toggle Note due 2015 (included in Exhibit 4.4)
4.6	Indenture governing the 7.125% Senior Notes due 2019, among Allison Transmission, Inc. as Issuer, the Guarantors named therein, and Wells Fargo Bank, National Association, as trustee, dated May 6, 2011 (incorporated by reference to Exhibit 4.6 to Amendment No. 2 to the Registrant's Registration Statement on Form S-1 filed May 16, 2011)
4.7	Form of 7.125% Senior Note due 2019 (included in Exhibit 4.6)
10.1	Credit Agreement among Allison Transmission Holdings, Inc., Allison Transmission, Inc., as Borrower, the Several Lenders from time to time parties thereto, Citicorp North America, Inc., as Administrative Agent, Lehman Brothers Commercial Bank and Merrill Lynch, Pierce, Fenner & Smith Incorporated, as Syndication Agents, Sumitomo Mitsui Banking Corporation, as Documentation Agent and Co-Arranger and Citigroup Global Markets Inc., Lehman Brothers Inc. and Merrill Lynch & Co., Merrill Lynch, Pierce, Fenner & Smith Incorporated, As Joint Lead Arrangers And Joint Bookrunners, dated as of August 7, 2007 (incorporated by reference to Exhibit 10.1 to Amendment No. 1 to the Registrant's Registration Statement on Form S-1 filed April 26, 2011)
10.2	First Amendment to the Credit Agreement among Allison Transmission Holdings, Inc., Allison Transmission, Inc., as Borrower, the Several Lenders from time to time parties thereto, Citicorp North America, Inc., as Administrative Agent, Lehman Brothers Commercial Bank and Merrill Lynch, Pierce, Fenner & Smith Incorporated, as Syndication Agents, Sumitomo Mitsui Banking Corporation, as Documentation Agent and Co-Arranger and Citigroup Global Markets Inc., Lehman Brothers Inc. and Merrill Lynch & Co., Merrill Lynch, Pierce, Fenner & Smith Incorporated, As Joint Lead Arrangers And Joint Bookrunners, dated as of November 21, 2008 (incorporated by reference to Exhibit 10.2 to the Registrant's Registration Statement on Form S-1 filed March 18, 2011)

- 10.3 Guarantee And Collateral Agreement made by Allison Transmission Holdings, Inc. Allison Transmission, Inc. as Borrower, and the Subsidiary Guarantors party hereto in favor of Citicorp North America, Inc., as Administrative Agent, dated as of August 7, 2007 (incorporated by reference to Exhibit 10.3 to the Registrant's Registration Statement on Form S-1 filed March 18, 2011)
- 10.4 Trademark Security Agreement made by Allison Transmission, Inc. in favor of Citicorp North America, Inc., as Administrative Agent, dated as of August 7, 2007 (incorporated by reference to Exhibit 10.4 to the Registrant's Registration Statement on Form S-1 filed March 18, 2011)
- 10.5 Copyright Security Agreement made by Allison Transmission, Inc. in favor of Citicorp North America, Inc., as Administrative Agent, dated as of August 7, 2007 (incorporated by reference to Exhibit 10.5 to Amendment No. 2 to the Registrant's Registration Statement on Form S-1 filed May 16, 2011)
- 10.6 Amended and Restated Stockholders Agreement (incorporated by reference to Exhibit 10.6 to the Registrant's Quarterly Report on Form 10-Q for the quarter ended March 31, 2012 filed on April 26, 2012)
- 10.7* Employment and Severance Agreement, between Allison Transmission, Inc. and Lawrence E. Dewey, dated as of February 7, 2008 (incorporated by reference to Exhibit 10.7 to Amendment No. 2 to the Registrant's Registration Statement on Form S-1 filed May 16, 2011)
- 10.8* Employment and Severance Agreement, between Allison Transmission, Inc. and David S. Graziosi, dated as of November 1, 2007 (incorporated by reference to Exhibit 10.8 to Amendment No. 2 to the Registrant's Registration Statement on Form S-1 filed May 16, 2011)
- 10.9* Form of Allison Transmission Holdings, Inc. Indemnification Agreement (incorporated by reference to Exhibit 10.9 to Amendment No. 2 to the Registrant's Registration Statement on Form S-1 filed May 16, 2011)
- 10.10* Allison Transmission Holdings, Inc. 2011 Equity Incentive Award Plan (incorporated by reference to Exhibit 10.10 to Amendment No. 3 to the Registrant's Registration Statement on Form S-1 filed June 16, 2011)
- 10.11* Form of 2011 Equity Incentive Award Plan Restricted Stock Agreement (incorporated by reference to Exhibit 10.11 to Amendment No. 3 to the Registrant's Registration Statement on Form S-1 filed June 16, 2011)
- 10.12* Form of 2011 Equity Incentive Award Plan Restricted Stock Unit Agreement (incorporated by reference to Exhibit 10.12 to Amendment No. 3 to the Registrant's Registration Statement on Form S-1 filed June 16, 2011)
- 10.13* Form of 2011 Equity Incentive Award Plan Stock Option Agreement (incorporated by reference to Exhibit 10.13 to Amendment No. 3 to the Registrant's Registration Statement on Form S-1 filed June 16, 2011)
- 10.14* Equity Incentive Plan of Allison Transmission Holdings, Inc. (incorporated by reference to Exhibit 10.14 to Amendment No. 2 to the Registrant's Registration Statement on Form S-1 filed May 16, 2011)
- 10.15* Form of Employee Stock Option Agreement under Equity Incentive Plan of Allison Transmission Holdings, Inc. (incorporated by reference to Exhibit 10.15 to Amendment No. 2 to the Registrant's Registration Statement on Form S-1 filed May 16, 2011)
- 10.16* Form of Independent Director Stock Option Agreement under Equity Incentive Plan of Allison Transmission Holdings, Inc. (incorporated by reference to Exhibit 10.16 to Amendment No. 2 to the Registrant's Registration Statement on Form S-1 filed May 16, 2011)
- 10.17 Second Amendment to the Credit Agreement among Allison Transmission Holdings, Inc., Allison Transmission, Inc., as Borrower, the several banks and other financial institutions or entities from time to time parties thereto as Lenders, Citicorp North America, Inc., as Administrative Agent and Collateral Agent, Lehman Brothers Commercial Bank and Merrill Lynch, Pierce, Fenner & Smith Incorporated, as Syndication Agents, Sumitomo Mitsui Banking Corporation, as Documentation Agent and Co-Arranger, and Citigroup Global Markets Inc., Lehman Brothers Inc., and Merrill Lynch & Co., Merrill Lynch, Pierce, Fenner & Smith Incorporated, as Joint Lead Arrangers and Joint Bookrunners, dated as of May 13, 2011 (incorporated by reference to Exhibit 10.17 to Amendment No. 3 to the Registrant's Registration Statement on Form S-1 filed June 16, 2011)
- 10.18 Third Amendment to the Credit Agreement among Allison Transmission Holdings, Inc., Allison Transmission, Inc., as Borrower, the several banks and other financial institutions or entities from time to time parties thereto as Lenders, Citicorp North America, Inc., as Administrative Agent and Collateral Agent and the other agents and arrangers party thereto, dated as of March 9, 2012 (incorporated by reference to Exhibit 10.19 to Amendment No. 8 to the Registrant's Registration Statement on Form S-1 filed March 12, 2012)

- 10.19* Incentive Plan of Allison Transmission Holdings, Inc. (incorporated by reference to Exhibit 10.20 to the Registrant's Quarterly Report on Form 10-Q for the quarter ended June 30, 2012 filed on July 31, 2012)
- 10.20* Deferred Compensation Plan of Allison Transmission Inc. (incorporated by reference to Exhibit 10.21 to the Registrant's Quarterly Report on Form 10-Q for the quarter ended June 30, 2012 filed on July 31, 2012)
- 10.21 Amendment No. 4 to the Credit Agreement, dated as of August 23, 2012, among Allison Transmission Holdings, Inc., Allison Transmission, Inc., as Borrower, the several banks and other financial institutions or entities from time to time parties thereto as Lenders, Citicorp North America, Inc., as Administrative Agent and the other agents and arrangers party thereto (incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K filed August 23, 2012)
- 10.22 Amendment No. 5 to the Credit Agreement, dated as of October 4, 2012, among Allison Transmission Holdings, Inc., Allison Transmission, Inc., as Borrower, the several banks and other financial institutions or entities from time to time parties thereto as Lenders, Citicorp North America, Inc., as Administrative Agent and the other agents and arrangers party thereto (incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K filed October 4, 2012)
- 10.23* Non-Employee Director Deferred Compensation Plan of Allison Transmission Holdings, Inc. (incorporated by reference to Exhibit 10.23 to the Registrant's Annual Report on Form 10-K for the year ended December 31, 2012 filed on February 28, 2013)
- 10.24* Form Amendment to Stock Option Agreement under Equity Incentive Plan of Allison Transmission Holdings, Inc. (incorporated by reference to Exhibit 10.24 to the Registrant's Annual Report on Form 10-K for the year ended December 31, 2012 filed on February 28, 2013)
- 10.25 Amendment No. 6 to the Credit Agreement, dated as of February 6, 2013, among Allison Transmission Holdings, Inc., Allison Transmission, Inc., as Borrower, the several banks and other financial institutions or entities from time to time parties thereto as Lenders, Citicorp North America, Inc., as Administrative Agent and the other agents and arrangers party thereto (incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K filed February 6, 2013)
- 10.26 Amendment No. 7 to the Credit Agreement, dated as of February 6, 2013 among Allison Transmission Holdings, Inc., Allison Transmission, Inc., as Borrower, the several banks and other financial institutions or entities from time to time parties thereto as Lenders, Citicorp North America, Inc., as Administrative Agent and the other agents and arrangers party thereto (incorporated by reference to Exhibit 10.2 to the Registrant's Current Report on Form 8-K filed February 6, 2013)
- 10.27* Form Amendment to Stock Option Agreement under the Allison Transmission Holdings, Inc. 2011 Equity Incentive Award Plan and Equity Incentive Plan of Allison Transmission Holdings, Inc. (incorporated by reference to Exhibit 10.27 to the Registrant's Quarterly Report on Form 10-Q for the quarter ended June 30, 2013 filed on July 30, 2013)
- 10.28 First Amendment to the Stockholders Agreement dated as of May 8, 2013 (incorporated by reference to Exhibit 10.28 to the Registrant's Quarterly Report on Form 10-Q for the quarter ended June 30, 2013 filed on July 30, 2013)
- 10.29* Form of 2011 Equity Incentive Award Plan Stock Option Agreement (incorporated by reference to Exhibit 10.29 to the Registrant's Quarterly Report on Form 10-Q for the quarter ended September 30, 2013 filed on October 29, 2013)
- 10.30* Form of 2011 Equity Incentive Award Plan Restricted Stock Unit Agreement for Non-Employee Directors (incorporated by reference to Exhibit 10.30 to the Registrant's Quarterly Report on Form 10-Q for the quarter ended September 30, 2013 filed on October 29, 2013)
- 10.31* Amended and Restated Non-Employee Director Compensation Policy (incorporated by reference to Exhibit 10.31 to the Registrant's Quarterly Report on Form 10-Q for the quarter ended September 30, 2013 filed on October 29, 2013)
- 10.32 Amendment No. 8 to the Credit Agreement, dated as of August 26, 2013, among Allison Transmission Holdings, Inc., Allison Transmission, Inc., as Borrower, the several banks and other financial institutions or entities from time to time parties thereto as Lenders, Citicorp North America, Inc., as Administrative Agent and the other agents and arrangers party thereto (incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K filed August 26, 2013)

10.33	Amendment No. 9 to the Credit Agreement, dated as of December 31, 2013, among Allison Transmission Holdings, Inc., Allison Transmission, Inc., as Borrower, the several banks and other financial institutions or entities from time to time parties thereto as Lenders, Citicorp North America, Inc., as Administrative Agent and the other agents and arrangers party thereto (incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K filed December 31, 2013)
10.34*	Form of Change in Control Severance Agreement (filed herewith)
14.1	Code of Business Conduct, adopted by the Board of Directors on March 14, 2012 (incorporated by reference to Exhibit 14.1 to the Registrant's Annual Report on Form 10-K for the year ended December 31, 2012 filed on February 28, 2013)
21.1	List of Subsidiaries of Allison Transmission Holdings, Inc. (filed herewith)
23.1	Consent of PricewaterhouseCoopers LLP (filed herewith)
31.1	Certification pursuant to Rule 13a-14(a)/15d-14(a) of the Securities Exchange Act of 1934 of the Chief Executive Officer, as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 (filed herewith)
31.2	Certification pursuant to Rule 13a-14(a)/15d-14(a) of the Securities Exchange Act of 1934 of the Chief Financial Officer, as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 (filed herewith)
32.1	Certification pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (filed herewith)
101.INS+	XBRL Instance Document
101.SCH+	XBRL Taxonomy Extension Schema Document
101.CAL+	XBRL Taxonomy Extension Calculation Linkbase Document
101.DEF+	XBRL Taxonomy Extension Definition Linkbase Document
101.LAB+	XBRL Taxonomy Extension Label Linkbase Document
101.PRE+	XBRL Taxonomy Extension Presentation Linkbase Document

* Indicates a management contract or compensatory plan or arrangement

+ Pursuant to Rule 406T of Regulation S-T, this interactive data file is deemed not filed or part of a registration statement or prospectus for purposes of Sections 11 or 12 of the Securities Act of 1933, is deemed not filed for purposes of section 18 of the Securities Exchange Act of 1934, and otherwise is not subject to liability under these sections.

FORM OF CHANGE IN CONTROL SEVERANCE AGREEMENT

This Change in Control Severance Agreement ("**Agreement**") is made effective as of _____ ("**Effective Date**"), by and between Allison Transmission, Inc. a Delaware corporation (the "**Company**"), and _____ ("**Executive**"). For purposes of this Agreement (other than Section 1(e) below), the "**Company**" shall mean the Company and its subsidiaries.

WHEREAS, Executive is a key employee of the Company and the Company and Executive desire to set forth herein the terms and conditions of Executive's compensation in the event of a termination of Executive's employment in connection with a Change in Control (as defined below); and

WHEREAS, in the event of a Change in Control, Executive may be vulnerable to dismissal without regard to the quality of Executive's service, and the Company believes that it is in the best interest of Company to enter into this Agreement in order to ensure fair treatment of Executive and to reduce the distractions and other adverse effects upon such Executive's performance which are inherent in the event of such a Change in Control.

The parties agree as follows:

1. **Definitions.** For purposes of this Agreement, the following terms shall have the following meanings:

(a) "**Base Amount**" means the greater of the Executive's annual base salary (a) at the rate in effect on the day prior to the date of the Executive's Qualifying Termination, or (b) at the highest rate in effect at any time during the ninety (90) day period prior to the Change in Control, and shall include all amounts of such base salary that are deferred under any qualified and non-qualified employee benefit plans of the Company or under any other agreement or arrangement.

(b) "**Board**" shall mean the Board of Directors of the Parent.

(c) "**Bonus Amount**" means Executive's target annual bonus amount as in effect at the time of Executive's Qualifying Termination or, if higher, Executive's target annual bonus amount at the highest level in effect at any time during the ninety (90) day period prior to the Change in Control.

(d) "**Cause**" shall mean any of the following: (i) the Executive's failure to substantially perform his duties as an employee of the Company (other than any such failure resulting from the Executive's physical or mental incapacity) that is reasonably expected to result in, or has resulted in, material economic damage to the Company or any of its affiliates (provided, that, to the extent such failure can be fully cured, the Company shall have provided the Executive with at least 30 days' notice of such failure and the Executive has not remedied the failure within the 30-day period); (ii) the Executive's failure in any material respect to carry out or comply with any lawful and reasonable directive of the Board or the Executive's direct supervisor (provided, that, to the extent such failure can be fully cured, the Company shall have provided the Executive with at least 30 days' notice of such failure and the Executive has not remedied the failure within the 30-day period); (iii) the Executive's conviction, plea of no contest, plea of nolo contendere, or imposition of unadjudicated probation for any felony or crime involving moral turpitude; (iv) the Executive's unlawful use (including being under the influence) or possession of illegal drugs on the Company's (or any of its affiliate's) premises or while performing the Executive's duties and responsibilities under this Agreement; or (v) the Executive's commission of an act of fraud, embezzlement, misappropriation, willful misconduct, or breach of fiduciary duty against the Company or any of its affiliates.

(e) “**Change in Control**” shall mean and includes each of the following:

(i) A transaction or series of transactions (other than an offering of the Parent’s common stock to the general public through a registration statement filed with the Securities and Exchange Commission) occurring after the Effective Date whereby any “person” or related “group” of “persons” (as such terms are used in Sections 13(d) and 14(d)(2) of the Securities Exchange Act of 1934, as amended (the “**Exchange Act**”)) (other than the Parent, any of its subsidiaries, an employee benefit plan maintained by the Parent or any of its subsidiaries or a “person” that, prior to such transaction, directly or indirectly controls, is controlled by, or is under common control with, the Parent) directly or indirectly acquires beneficial ownership (within the meaning of Rule 13d-3 under the Exchange Act) of securities of the Parent possessing more than 50% of the total combined voting power of the Parent’s securities outstanding immediately after such transaction; or

(ii) The consummation by the Parent (whether directly involving the Parent or indirectly involving the Parent through one or more intermediaries) after the Effective Date of (x) a merger, consolidation, reorganization, or business combination or (y) a sale or other disposition of all or substantially all of the Parent’s assets in any single transaction or series of related transactions or (z) the acquisition of assets or stock of another entity, in each case other than a transaction:

(A) Which results in the Parent’s voting securities outstanding immediately before the transaction continuing to represent (either by remaining outstanding or by being converted into voting securities of the Parent or the person that, as a result of the transaction, controls, directly or indirectly, the Parent or owns, directly or indirectly, all or substantially all of the Parent’s assets or otherwise succeeds to the business of the Parent (the Parent or such person, the “**Successor Entity**”)) directly or indirectly, at least a majority of the combined voting power of the Successor Entity’s outstanding voting securities immediately after the transaction, and

(B) After which no person or group beneficially owns voting securities representing 50% or more of the combined voting power of the Successor Entity; *provided, however*, that no person or group shall be treated for purposes of this Section 1(e)(ii)(B) as beneficially owning 50% or more of combined voting power of the Successor Entity solely as a result of the voting power held in the Parent prior to the consummation of the transaction.

(f) “**Code**” shall mean the Internal Revenue Code of 1986, as amended, and the Treasury Regulations and other interpretive guidance thereunder.

(g) “**Good Reason**” shall mean the occurrence of any of the following events or conditions without Executive’s written consent:

(i) a material diminution in Executive’s authority, duties or responsibilities, other than as a result of a Change in Control where the Executive remains in a position with the Company or its successor (or any other entity that owns substantially all of the Company’s business after such sale) that is substantially equivalent in duties, rank, reporting structure and authority with the Executive’s position prior to such sale, solely as such duties, rank, reporting structure and authority relate to the Company’s business;

(ii) a material diminution in Executive’s base salary or target annual bonus level;

(iii) a material change in the geographic location at which Executive must perform his or her duties, which shall not include a relocation of the Executive’s principal place of employment to any location within a fifty (50) mile radius of the location from which the Executive served the Company immediately prior to the relocation;

(iv) the failure of the Company to obtain an agreement from any successor to the Company or the Parent to assume and agree to perform this Agreement, as contemplated in Section 7.1 of this Agreement.

Executive must provide written notice to the Company of the occurrence of any of the foregoing events or conditions without Executive's written consent within ninety (90) days of the occurrence of such event or the date upon which the Executive reasonably became aware that such an event or condition had occurred. The Company or any successor or affiliate shall have a period of thirty (30) days to cure such event or condition after receipt of written notice of such event from Executive. Any voluntary termination for "Good Reason" following such thirty (30) day cure period must occur no later than the date that is six (6) months following the date notice was provided by Executive. Executive's voluntary Separation from Service by reason of resignation from employment with the Company for Good Reason shall be treated as involuntary.

(h) "**Parent**" means Allison Transmission Holdings, Inc., a Delaware corporation, or its successor.

(i) "**Permanent Disability**" means at any time the Company or any of its affiliates sponsors a long-term disability plan for the Company's employees, "disability" as defined in such long-term disability plan for the purpose of determining a participant's eligibility for benefits, provided, however, if the long-term disability plan contains multiple definitions of disability, "Disability" shall refer to that definition of disability which, if the Executive qualified for such disability benefits, would provide coverage for the longest period of time. The determination of whether the Executive has a Disability shall be made by the person or persons required to make disability determinations under the long-term disability plan. At any time the Company does not sponsor a long-term disability plan for its employees, Disability shall mean the Executive's inability to perform, with or without reasonable accommodation, the essential functions of his position hereunder for a total of three months during any six-month period as a result of incapacity due to mental or physical illness as determined by a physician selected by the Company or its insurers and acceptable to the Executive or the Executive's legal representative, with such agreement as to acceptability not to be unreasonably withheld or delayed.

(j) "**Qualifying Termination**" means (i) a termination by Executive of Executive's employment with Company for Good Reason within two years after the occurrence of a Change in Control, or (ii) a termination of Executive's employment without Cause by the Company within two years after the occurrence of a Change in Control. Neither a termination of Executive's employment due to Permanent Disability nor a termination of Executive's employment due to death shall constitute a Qualifying Termination.

(k) "**Separation from Service**" means a "separation from service" with the Company as such term is defined in Treasury Regulation Section 1.409A-1(h) and any successor provision thereto.

2. **Term.** The initial term of this Agreement (the "**Initial Term**") shall be for a period beginning on the Effective Date and ending on the three-year anniversary of the Effective Date. On the three-year anniversary of the Effective Date and each successive anniversary of the Effective Date, the term of this Agreement shall automatically be extended for an additional one-year period ("**Extension Terms**" and, collectively with the Initial Term, the "**Term**") unless the Company gives the Executive a written notice of non-extension no later than ninety (90) days prior to the then-applicable anniversary of the Effective Date. Upon the occurrence of a Change in Control, the Term shall automatically be extended until the two-year anniversary of the date on which the Change in Control occurs, provided that

if the Executive incurs a Qualifying Termination during the Term of this Agreement, the Term shall be further automatically extended for such additional period as necessary to provide that each party's rights and obligations are fully satisfied hereunder.

3. Severance Upon Qualifying Termination.

(a) If Executive has a Qualifying Termination, subject to the requirements of this Section 3, Executive shall be entitled to receive, in lieu of and without duplicating any cash severance payments to which Executive may otherwise be entitled under any Company severance plan or program or other agreement with the Company (except as provided in Section 3(d)), the benefits provided below, which, with respect to clause (ii) will be payable in cash in a lump sum within sixty (60) days following the effective date of such Qualifying Termination:

(i) The Company shall pay to Executive his or her fully earned but unpaid base salary, when due, through the date of Executive's Qualifying Termination at the rate then in effect, plus all other benefits, if any, under any Company group retirement plan, nonqualified deferred compensation plan, equity award plan or agreement, health benefits plan or other Company group benefit plan to which Executive may be entitled pursuant to the terms of such plans or agreements;

(ii) Subject to Section 3(c) and Section 4, Executive shall be entitled to receive severance pay in an amount equal to two times the sum of the Base Amount and the Bonus Amount;

(iii) Subject to Section 3(c) and Section 4, all unvested equity or equity-based awards granted under any equity compensation plans of the Parent shall immediately become 100% vested and the post-termination exercise period of any stock options granted under any equity compensation plans of the Parent that are outstanding on the date of such Qualifying Termination shall be extended until the second anniversary of the date of such Qualifying Termination (subject to the terms of the applicable equity plan), provided that, unless a provision more favorable to the Executive is included in an applicable award agreement, any such awards that are subject to performance-based vesting conditions shall only be payable subject to the attainment of the performance measures for the applicable performance period as provided under the terms of the applicable award agreement).

(b) Other Terminations. Upon Executive's termination of employment for any reason other than as set forth in Section 3(a), the Company shall not have any other or further obligations to Executive under this Agreement (including any financial obligations) except that Executive shall be entitled to receive (i) Executive's fully earned but unpaid base salary, through the date of termination at the rate then in effect, and (ii) all other amounts or benefits to which Executive is entitled under any compensation, retirement or benefit plan or practice of the Company at the time of termination in accordance with the terms of such plans or practices, including, without limitation, any continuation of benefits required by COBRA or applicable law. The foregoing shall be in addition to, and not in lieu of, any and all other rights and remedies which may be available to the Company under the circumstances, whether at law or in equity.

(c) Release. As a condition to Executive's receipt of any amounts set forth in Section 3(a) above, Executive shall execute and not revoke a general release of all claims in favor of the Company (the "**Release**") in the form substantially similar to the form attached hereto as Exhibit A (and any statutorily prescribed revocation period applicable to such Release shall have expired) within the sixty (60) day period following the date of Executive's Qualifying Termination.

(d) Exclusive Remedy; Other Arrangements. Except as otherwise expressly required by law (e.g., COBRA) or as specifically provided herein, all of Executive's rights to salary, severance, benefits, bonuses and other amounts (if any) accruing after the termination of Executive's employment shall cease upon such termination. The severance payments provided for in Section 3(a)(ii) above are not intended to duplicate any severance payments the Executive may become entitled to receive under any other plan, program, policy or agreement with the Company or any of its affiliates (collectively, "**Other Arrangements**"). Therefore, in the event the Executive becomes entitled to receive the severance payments provided under Section 3(a)(ii) of this Agreement, he or she shall receive the amounts provided under Section 3(a)(ii) of this Agreement and shall not be entitled to receive any cash severance payments pursuant to any Other Arrangements unless the cash severance payments provided under the Other Arrangements exceed the amounts provided under Section 3(a)(ii) of this Agreement (and in such event the Executive shall receive under the Other Arrangements only the excess over the amount provided under Section 3(a)(ii) of this Agreement). This Agreement shall not impact or reduce the Executive's rights, if any, to receive under any Other Arrangements reimbursement for, or direct payment to the carrier for, premium costs under COBRA (or any similar medical, dental or vision benefit continuation rights or payments).

(e) No Mitigation. Executive shall not be required to mitigate the amount of any payment provided for in this Section 3 by seeking other employment or otherwise, nor shall the amount of any payment or benefit provided for in this Section 3 be reduced by any compensation earned by Executive as the result of employment by another employer or self-employment or by retirement benefits; *provided, however*, that loans, advances or other amounts owed by Executive to the Company may be offset by the Company against amounts payable to Executive under this Section 3.

(f) Return of the Company's Property. If Executive's employment is terminated for any reason, the Company shall have the right, at its option, to require Executive to vacate his or her offices prior to or on the effective date of termination and to cease all activities on the Company's behalf. Upon the termination of his or her employment in any manner, as a condition to Executive's receipt of any post-termination benefits described in this Agreement, Executive shall immediately surrender to the Company all lists, books and records of, or in connection with, the Company's business, and all other property belonging to the Company, it being distinctly understood that all such lists, books and records, and other documents, are the property of the Company. Executive shall deliver to the Company a signed statement certifying compliance with this Section 3(f) prior to the receipt of any post-termination benefits described in this Agreement.

(g) Parachute Payments.

(i) It is the objective of this Agreement to maximize Executive's Net After-Tax Benefit (as defined herein) if payments or benefits provided under this Agreement are subject to excise tax under Section 4999 of the Code. Notwithstanding any other provisions of this Agreement, in the event that any payment or benefit by the Company or otherwise to or for the benefit of Executive, whether paid or payable or distributed or distributable pursuant to the terms of this Agreement or otherwise (all such payments and benefits, including the payments and benefits under Section 3(a) hereof, being hereinafter referred to as the "**Total Payments**"), would be subject (in whole or in part) to the excise tax imposed by Section 4999 of the Code (the "**Excise Tax**"), then the cash severance payments shall first be reduced, and the non-cash severance payments shall thereafter be reduced, to the extent necessary so that no portion of the Total Payments shall be subject to the Excise Tax, but only if (i) the net amount of such Total Payments, as so reduced (and after subtracting the net amount of federal, state and local income taxes on such reduced Total Payments and after taking into account the phase out of itemized deductions and personal exemptions attributable to such reduced Total Payments), is greater than or equal to (ii) the net amount of such Total Payments without such reduction (but after subtracting the net amount of federal, state and local income taxes on such Total Payments and the amount of Excise Tax to which

Executive would be subject in respect of such unreduced Total Payments and after taking into account the phase out of itemized deductions and personal exemptions attributable to such unreduced Total Payments).

(ii) The Total Payments shall be reduced by the Company in the following order: (i) reduction of any cash severance payments otherwise payable to Executive that are exempt from Section 409A of the Code, (ii) reduction of any other cash payments or benefits otherwise payable to Executive that are exempt from Section 409A of the Code, but excluding any payments attributable to the acceleration of vesting or payments with respect to any equity award with respect to the Parent's common stock that is exempt from Section 409A of the Code, (iii) reduction of any other payments or benefits otherwise payable to Executive on a pro-rata basis or such other manner that complies with Section 409A of the Code, but excluding any payments attributable to the acceleration of vesting and payments with respect to any equity award with respect to the Parent's common stock that are exempt from Section 409A of the Code, and (iv) reduction of any payments attributable to the acceleration of vesting or payments with respect to any other equity award with respect to the Parent's common stock that are exempt from Section 409A of the Code.

(iii) All determinations regarding the application of this Section 3(g) shall be made by an accounting firm with experience in performing calculations regarding the applicability of Section 280G of the Code and the Excise Tax selected by the Company ("**Independent Advisors**"). For purposes of determining whether and the extent to which the Total Payments will be subject to the Excise Tax, (i) no portion of the Total Payments the receipt or enjoyment of which Executive shall have waived at such time and in such manner as not to constitute a "payment" within the meaning of Section 280G(b) of the Code shall be taken into account, (ii) no portion of the Total Payments shall be taken into account which, in the opinion of the Independent Advisors, does not constitute a "parachute payment" within the meaning of Section 280G(b)(2) of the Code (including by reason of Section 280G(b)(4)(A) of the Code) and, in calculating the Excise Tax, no portion of such Total Payments shall be taken into account which, in the opinion of Independent Advisors, constitutes reasonable compensation for services actually rendered, within the meaning of Section 280G(b)(4)(B) of the Code, in excess of the "base amount" (as defined in Section 280G(b)(3) of the Code) allocable to such reasonable compensation, and (iii) the value of any non-cash benefit or any deferred payment or benefit included in the Total Payments shall be determined by the Independent Advisors in accordance with the principles of Sections 280G(d)(3) and (4) of the Code. The costs of obtaining such determination and all related fees and expenses (including related fees and expenses incurred in any later audit) shall be borne by the Company.

(iv) In the event it is later determined that a greater reduction in the Total Payments should have been made to implement the objective and intent of this Section 3(g), the excess amount shall be returned immediately by the Executive to the Company, plus interest at a rate equal to 120% of the semi-annual applicable federal rate as in effect at the time of the Change in Control.

(h) Withholding. All compensation and benefits to Executive hereunder shall be reduced by all federal, state, local and other withholdings and similar taxes and payments required by applicable law.

4. Confidentiality, Restrictive Covenants and Proprietary Rights. The Company shall be entitled to cease all severance payments and benefits to Executive in the event of Executive's breach of any non-competition, non-solicitation, non-disparagement, confidentiality, or assignment of inventions covenants contained in any agreement between the Executive and the Company, which covenants are hereby incorporated by reference into this Agreement.

5. Agreement to Arbitrate. Any controversy, claim or dispute arising out of or relating to this Agreement, shall be settled solely and exclusively by binding arbitration in Indianapolis, Indiana. Such arbitration shall be conducted in accordance with the then prevailing JAMS Streamlined Arbitration Rules & Procedures, with the following exceptions if in conflict: (a) one arbitrator shall be chosen by JAMS; (b) each party to the arbitration will pay its pro rata share of the expenses and fees of the arbitrator, together with other expenses of the arbitration incurred or approved by the arbitrator; and (c) arbitration may proceed in the absence of any party if written notice (pursuant to the JAMS' rules and regulations) of the proceedings has been given to such party. Each party shall bear its own attorneys' fees and expenses. The parties agree to abide by all decisions and awards rendered in such proceedings. Such decisions and awards rendered by the arbitrator shall be final and conclusive. All such controversies, claims or disputes shall be settled in this manner in lieu of any action at law or equity; provided, however, that nothing in this subsection shall be construed as precluding the bringing an action for injunctive relief pursuant to any applicable Other Arrangement.

6. At-Will Employment Relationship. Except as may be expressly provided in an applicable Other Arrangement, Executive's employment with the Company is at-will and not for any specified period and may be terminated at any time, with or without Cause or advance notice, by either Executive or the Company. Any change to the at-will employment relationship must be by specific, written agreement signed by Executive and an authorized representative of the Company. Nothing in this Agreement is intended to or should be construed to contradict, modify or alter this at-will relationship.

7. General Provisions.

7.1 Successors and Assigns. The rights of the Company under this Agreement may, without the consent of Executive, be assigned by the Company, in its sole and unfettered discretion, to any person, firm, corporation or other business entity which at any time, whether by purchase, merger or otherwise, directly or indirectly, acquires all or substantially all of the assets or business of the Company. The Company will require any successor (whether direct or indirect, by purchase, merger or otherwise) to all or substantially all of the business or assets of the Company expressly to assume and to agree to perform this Agreement in the same manner and to the same extent that the Company would be required to perform it if no such succession had taken place. The failure of any such successor to so assume this Agreement shall constitute a material breach of this Agreement by the Company. As used in this Agreement, the "**Company**" shall mean the Company as hereinbefore defined and any successor to its business and/or assets as aforesaid which assumes and agrees to perform this Agreement by operation of law or otherwise. Executive shall not be entitled to assign any of Executive's rights or obligations under this Agreement. This Agreement shall inure to the benefit of and be enforceable by Executive's personal or legal representatives, executors, administrators, successors, heirs, distributees, devisees and legatees.

7.2 Severability. In the event any provision of this Agreement is found to be unenforceable by an arbitrator or court of competent jurisdiction, such provision shall be deemed modified to the extent necessary to allow enforceability of the provision as so limited, it being intended that the parties shall receive the benefit contemplated herein to the fullest extent permitted by law. If a deemed modification is not satisfactory in the judgment of such arbitrator or court, the unenforceable provision shall be deemed deleted, and the validity and enforceability of the remaining provisions shall not be affected thereby.

7.3 Interpretation; Construction. The headings set forth in this Agreement are for convenience only and shall not be used in interpreting this Agreement. This Agreement has been drafted by legal counsel representing the Company, but Executive has participated in the negotiation of its terms. Furthermore, Executive acknowledges that Executive has had an opportunity to review and revise the Agreement and, therefore, the normal rule of construction to the effect that any ambiguities are to be

resolved against the drafting party shall not be employed in the interpretation of this Agreement. Either party's failure to enforce any provision of this Agreement shall not in any way be construed as a waiver of any such provision, or prevent that party thereafter from enforcing each and every other provision of this Agreement.

7.4 Governing Law and Venue. This Agreement will be governed by and construed in accordance with the laws of the United States and the State of Indiana applicable to contracts made and to be performed wholly within such State, and without regard to the conflicts of laws principles thereof. Any suit brought hereon shall be brought in the state or federal courts sitting in Indianapolis, Indiana, the parties hereby waiving any claim or defense that such forum is not convenient or proper. Each party hereby agrees that any such court shall have in personam jurisdiction over it and consents to service of process in any manner authorized by Indiana law.

7.5 Notices. Any notice required or permitted by this Agreement shall be in writing and shall be delivered as follows with notice deemed given as indicated: (a) by personal delivery when delivered personally; (b) by overnight courier upon written verification of receipt; (c) by telecopy or facsimile transmission upon acknowledgment of receipt of electronic transmission; or (d) by certified or registered mail, return receipt requested, upon verification of receipt. Notice shall be sent to Executive at the address set forth below and to the Company at its principal place of business, or such other address as either party may specify in writing.

7.6 Survival. Sections 1 ("Definitions"), 3 ("Severance"), 4 ("Confidentiality and Proprietary Rights"), 5 ("Agreement to Arbitrate") and 7 ("General Provisions") of this Agreement shall survive termination of Executive's employment with the Company.

7.7 Entire Agreement. This Agreement (including the Addendum hereto entered into as of the Effective Date between the Company and the Executive) and any covenants and agreements incorporated herein by reference as set forth in Section 4 together constitute the entire agreement between the parties in respect of the subject matter contained herein and therein and supersede all prior or simultaneous representations, discussions, negotiations, and agreements, whether written or oral, provided, however, that for the avoidance of doubt, all Other Arrangements (as such Other Arrangements may be amended, modified or terminated from time to time) shall remain in effect in accordance with their terms, subject to Section 3(d) hereof. This Agreement may be amended or modified only with the written consent of Executive and an authorized representative of the Company. No oral waiver, amendment or modification will be effective under any circumstances whatsoever.

7.8 Code Section 409A.

(a) This Agreement is not intended to provide for any deferral of compensation subject to Section 409A of the Code, and, accordingly, the severance payments payable under Section 3(a) shall be paid no later than the later of: (i) the fifteenth (15th) day of the third month following Executive's first taxable year in which such severance benefit is no longer subject to a substantial risk of forfeiture, and (ii) the fifteenth (15th) day of the third month following the first taxable year of the Company in which such severance benefit is no longer subject to substantial risk of forfeiture, as determined in accordance with Code Section 409A and any Treasury Regulations and other guidance issued thereunder. To the extent applicable, this Agreement shall be interpreted in accordance with Code Section 409A and Department of Treasury regulations and other interpretive guidance issued thereunder.

(b) If the Executive is a "specified employee" (as defined in Section 409A of the Code), as determined by the Company in accordance with Section 409A of the Code, on the date of the Executive's Separation from Service, to the extent that the payments or benefits under this Agreement

are subject to Section 409A of the Code and the delayed payment or distribution of all or any portion of such amounts to which Executive is entitled under this Agreement is required in order to avoid a prohibited distribution under Section 409A(a)(2)(B)(i) of the Code, then such portion deferred pursuant to this Section 7.8(b) shall be paid or distributed to Executive in a lump sum on the earlier of (a) the date that is six (6)-months following Executive's Separation from Service, (b) the date of Executive's death or (c) the earliest date as is permitted under Section 409A of the Code. Any remaining payments due under the Agreement shall be paid as otherwise provided herein.

7.9 Administration. This Agreement shall be interpreted and administered by the Board or a committee thereof to which the Board may delegate such function (the "**Committee**"). The Board or the Committee shall have the exclusive power, subject to and within the limitations of the express provisions of this Agreement, to interpret this Agreement and to make factual findings and determinations and take such action in connection with the Agreement as it, in its sole discretion, deems appropriate. The Board's or the Committee's determination shall be binding and conclusive on all parties, and the Board or the Committee shall not be liable for any action or determination made in good faith with respect to this Agreement.

7.10 Source of Funds. Amounts payable to Executive under this Agreement shall be from the general funds of the Company. Executive's rights to unpaid amounts under this Agreement shall be solely those of an unsecured creditor of the Company.

7.11 Consultation with Legal and Financial Advisors. By executing this Agreement, Executive acknowledges that this Agreement confers significant legal rights, and may also involve the waiver of rights under other agreements; that the Company has encouraged Executive to consult with Executive's personal legal and financial advisors; and that Executive has had adequate time to consult with Executive's advisors before executing this Agreement.

7.12 Counterparts. This Agreement may be executed in multiple counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same instrument.

(Signature Page Follows)

THE PARTIES TO THIS AGREEMENT HAVE READ THE FOREGOING AGREEMENT AND FULLY UNDERSTAND EACH AND EVERY PROVISION CONTAINED HEREIN. WHEREFORE, THE PARTIES HAVE EXECUTED THIS AGREEMENT ON THE DATES SHOWN BELOW.

ALLISON TRANSMISSION, INC .

Dated: _____

By: _____
Name: _____
Title: _____

EXECUTIVE

Dated: _____

Address: _____

EXHIBIT A

GENERAL RELEASE OF CLAIMS

[The language in this Release may change based on legal developments and evolving best practices; this form is provided as an example of what will be included in the final Release document.]

This General Release of Claims ("**Release**") is entered into as of this ____ day of ____, ____, between _____ ("**Executive**"), and Allison Transmission, Inc., a Delaware corporation (the "**Company**") (collectively referred to herein as the "**Parties**").

WHEREAS, Executive and the Company are parties to that certain Change in Control Severance Agreement dated as of _____, 2013 (the "**Agreement**");

WHEREAS, the Parties agree that Executive is entitled to certain severance benefits under the Agreement, subject to Executive's execution of this Release; and

WHEREAS, the Company and Executive now wish to fully and finally to resolve all matters between them.

NOW, THEREFORE, in consideration of, and subject to, the severance benefits payable to Executive pursuant to the Agreement, the adequacy of which is hereby acknowledged by Executive, and which Executive acknowledges that he or she would not otherwise be entitled to receive, Executive and the Company hereby agree as follows:

1. General Release of Claims by Executive.

(a) Executive, on behalf of himself or herself and his or her executors, heirs, administrators, representatives and assigns, hereby agrees to release and forever discharge the Company and all predecessors, successors and their respective parent corporations, affiliates, related, and/or subsidiary entities, and all of their past and present investors, directors, shareholders, officers, general or limited partners, employees, attorneys, agents and representatives, and the employee benefit plans in which Executive is or has been a participant by virtue of his or her employment with or service to the Company (collectively, the "**Company Releasees**"), from any and all claims, debts, demands, accounts, judgments, rights, causes of action, equitable relief, damages, costs, charges, complaints, obligations, promises, agreements, controversies, suits, expenses, compensation, responsibility and liability of every kind and character whatsoever (including attorneys' fees and costs), whether in law or equity, known or unknown, asserted or unasserted, suspected or unsuspected (collectively, "**Claims**"), which Executive has or may have had against such entities based on any events or circumstances arising or occurring on or prior to the date hereof, arising directly or indirectly out of, relating to, or in any other way involving in any manner whatsoever Executive's employment by or service to the Company or the termination thereof, including any and all claims arising under federal, state, or local laws relating to employment, including without limitation claims of wrongful discharge, breach of express or implied contract, fraud, misrepresentation, defamation, or liability in tort, and claims of any kind that may be brought in any court or administrative agency including, without limitation, claims under Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. Section 2000, et seq.; the Americans with Disabilities Act, as amended, 42 U.S.C. § 12101 et seq.; the Rehabilitation Act of 1973, as amended, 29 U.S.C. § 701 et seq.; the Civil Rights Act of 1866, and the Civil Rights Act of 1991; 42 U.S.C. Section 1981, et seq.; the Age Discrimination in Employment Act, as amended, 29 U.S.C. Section 621, et seq. (the "**ADEA**"); the Equal Pay Act, as amended, 29 U.S.C. Section 206(d); regulations of the Office of Federal Contract

Compliance, 41 C.F.R. Section 60, et seq.; the Family and Medical Leave Act, as amended, 29 U.S.C. § 2601 et seq.; the Fair Labor Standards Act of 1938, as amended, 29 U.S.C. § 201 et seq.; the Employee Retirement Income Security Act, as amended, 29 U.S.C. § 1001 et seq.; and any similar state or local law.

Notwithstanding the generality of the foregoing, Executive does not release the following:

- (i) Claims for unemployment compensation or any state disability insurance benefits pursuant to the terms of applicable state law;
- (ii) Claims for workers' compensation insurance benefits under the terms of any worker's compensation insurance policy or fund of the Company;
- (iii) Claims pursuant to the terms and conditions of the federal law known as COBRA;
- (iv) Claims for indemnity under the bylaws of the Company, as provided for by Delaware law or under any applicable insurance policy with respect to Executive's liability as an employee, director or officer of the Company pursuant to which Executive is covered as of the effective date of Executive's termination of employment with the Company and its subsidiaries;
- (v) Claims based on any right Executive may have to enforce the Company's executory obligations under the Agreement;
- (vi) Claims Executive may have to vested or earned compensation and benefits; and
- (vii) Any rights that cannot be released as a matter of applicable law, but only to the extent such rights may not be released under such applicable law.

(b) Executive acknowledges that this Release was presented to him or her on the date indicated above and that Executive is entitled to have [twenty-one (21)/forty-five (45)] days' time in which to consider it. Executive further acknowledges that the Company has advised him or her that he or she is waiving his or her rights under the ADEA, and that Executive should consult with an attorney of his or her choice before signing this Release, and Executive has had sufficient time to consider the terms of this Release. Executive represents and acknowledges that if Executive executes this Release before [twenty-one (21)/forty-five (45)] days have elapsed, Executive does so knowingly, voluntarily, and upon the advice and with the approval of Executive's legal counsel (if any), and that Executive voluntarily waives any remaining consideration period.

(c) Executive understands that after executing this Release, Executive has the right to revoke it within seven (7) days after his or her execution of it. Executive understands that this Release will not become effective and enforceable unless the seven (7) day revocation period passes and Executive does not revoke the Release in writing. Executive understands that this Release may not be revoked after the seven (7) day revocation period has passed. Executive also understands that any revocation of this Release must be made in writing and delivered to the Company at its principal place of business within the seven (7) day period.

(d) Executive understands that this Release shall become effective, irrevocable, and binding upon Executive on the eighth (8th) day after his or her execution of it, so long as Executive has not revoked it within the time period and in the manner specified in clause (c) above. Executive further understands that Executive will not be given any severance benefits under the Agreement unless this Release is effective on or before the date that is sixty (60) days following the date of Executive's termination of employment.

2. No Assignment. Executive represents and warrants to the Company Releasees that there has been no assignment or other transfer of any interest in any Claim that Executive may have against the Company Releasees. Executive agrees to indemnify and hold harmless the Company Releasees from any liability, claims, demands, damages, costs, expenses and attorneys' fees incurred as a result of any such assignment or transfer from Executive.

3. Severability. In the event any provision of this Release is found to be unenforceable by an arbitrator or court of competent jurisdiction, such provision shall be deemed modified to the extent necessary to allow enforceability of the provision as so limited, it being intended that the parties shall receive the benefit contemplated herein to the fullest extent permitted by law. If a deemed modification is not satisfactory in the judgment of such arbitrator or court, the unenforceable provision shall be deemed deleted, and the validity and enforceability of the remaining provisions shall not be affected thereby.

4. Interpretation; Construction. The headings set forth in this Release are for convenience only and shall not be used in interpreting this Agreement. This Release has been drafted by legal counsel representing the Company, but Executive has participated in the negotiation of its terms. Furthermore, Executive acknowledges that Executive has had an opportunity to review and revise the Release and have it reviewed by legal counsel, if desired, and, therefore, the normal rule of construction to the effect that any ambiguities are to be resolved against the drafting party shall not be employed in the interpretation of this Release. Either party's failure to enforce any provision of this Release shall not in any way be construed as a waiver of any such provision, or prevent that party thereafter from enforcing each and every other provision of this Release.

5. Governing Law and Venue. This Release will be governed by and construed in accordance with the laws of the United States of America and the State of Indiana applicable to contracts made and to be performed wholly within such State, and without regard to the conflicts of laws principles thereof. Any suit brought hereon shall be brought in the state or federal courts sitting in Indianapolis, Indiana, the Parties hereby waiving any claim or defense that such forum is not convenient or proper. Each party hereby agrees that any such court shall have in personam jurisdiction over it and consents to service of process in any manner authorized by Indiana law.

6. Entire Agreement. This Release and the Agreement constitute the entire agreement of the Parties in respect of the subject matter contained herein and therein and supersede all prior or simultaneous representations, discussions, negotiations and agreements, whether written or oral. This Release may be amended or modified only with the written consent of Executive and an authorized representative of the Company. No oral waiver, amendment or modification will be effective under any circumstances whatsoever.

7. Counterparts. This Release may be executed in multiple counterparts, each of which shall be deemed to be an original but all of which together shall constitute one and the same instrument.

(Signature Page Follows)

IN WITNESS WHEREOF, and intending to be legally bound, the Parties have executed the foregoing Release as of the date first written above.

EXECUTIVE

ALLISON TRANSMISSION, INC.

By: _____

Print Name: _____

Print Name: _____

Title: _____

List of Subsidiaries*

NameState or Country of
Organization

Allison Transmission, Inc.

Delaware

* Omits names of subsidiaries that as of December 31, 2013 were not, in the aggregate, a "significant subsidiary."

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in the Registration Statements on Form S-8 (No. 333-180285) and on Form S-3 (No. 333-187903) of Allison Transmission Holdings, Inc. of our report dated February 24, 2014 relating to the financial statements, financial statement schedule and the effectiveness of internal control over financial reporting, which appears in this Form 10-K.

/s/ PricewaterhouseCoopers LLP
Indianapolis, Indiana
February 24, 2014

**CERTIFICATION PURSUANT TO RULE 13a-14(a)/15d-14(a) OF THE SECURITIES
EXCHANGE ACT OF 1934, AS ADOPTED PURSUANT TO SECTION 302 OF THE
SARBANES-OXLEY ACT OF 2002**

I, Lawrence E. Dewey, certify that:

1. I have reviewed this annual report on Form 10-K of Allison Transmission Holdings, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a) designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d) disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a) all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Dated: February 24, 2014

/s/ Lawrence E. Dewey

Name: Lawrence E. Dewey

Title: Chairman, President and Chief Executive Officer
(Principal Executive Officer)

**CERTIFICATION PURSUANT TO RULE 13a-14(a)/15d-14(a) OF THE SECURITIES
EXCHANGE ACT OF 1934, AS ADOPTED PURSUANT TO SECTION 302 OF THE
SARBANES-OXLEY ACT OF 2002**

I, David S. Graziosi, certify that:

1. I have reviewed this annual report on Form 10-K of Allison Transmission Holdings, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a) designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d) disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a) all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Dated: February 24, 2014

/s/ David S. Graziosi

Name: David S. Graziosi
Title: Executive Vice President, Chief Financial Officer and
Treasurer (Principal Financial Officer)

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Annual Report of Allison Transmission Holdings, Inc. (the "Company") on Form 10-K for the fiscal year ended December 31, 2013 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), we, Lawrence E. Dewey, Chairman, President and Chief Executive Officer of the Company, and David S. Graziosi, Executive Vice President, Chief Financial Officer and Treasurer of the Company, certify, pursuant to 18 U.S.C. §1350 as adopted pursuant to §906 of the Sarbanes-Oxley Act of 2002, that:

1. The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Dated: February 24, 2014

/s/ Lawrence E. Dewey

Lawrence E. Dewey
Chairman, President and Chief Executive Officer (Principal
Executive Officer)

Dated: February 24, 2014

/s/ David S. Graziosi

David S. Graziosi
Executive Vice President, Chief Financial Officer and
Treasurer (Principal Financial Officer)