BORGWARNER EGR COOLERS HELP REDUCE EMISSIONS IN MTU DIESEL ENGINES FOR RAIL, MINING, AND OIL & GAS APPLICATIONS

BorgWarner Expands Applications and Markets for Its Exhaust Gas Recirculation (EGR) Coolers

Auburn Hills, Michigan, August 2, 2012 – BorgWarner is expanding applications and markets for its exhaust gas recirculation (EGR) coolers with Tognum MTU-brand diesel engines for off-highway applications. The MTU Series 1600, 2000 and 4000 engines are used to power locomotives, mining equipment, and pumps for the oil and gas industry. BorgWarner's multiple-core EGR coolers help reduce emissions in MTU diesel engines using an innovative modular design concept that allows a high level of customization and performance for a wide variety of applications with limited production volumes.

"BorgWarner engineers have been working closely with MTU to develop cooled EGR for heavy industrial diesel engine applications that demand both reliability and economy in extremely harsh environments," said Brady Ericson, President and General Manager, BorgWarner Emissions Systems. "As emissions standards in Europe and the U.S. become more stringent, we expect a significant increase in demand for EGR coolers for large displacement engine applications over the next five years."

Cooled EGR is one of the most effective methods of reducing nitrogen oxide (NO_x) emissions in large diesel engines. BorgWarner EGR coolers utilize specially designed hybrid tubes to optimize heat transfer and deliver superior heat rejection with less hydrocarbon buildup. The floating core and optimized coolant flow increase durability during extreme thermal loads typical in these applications, and anti-vibration clips help withstand the vibration expected in heavy-duty industrial engines. To minimize development times, tooling costs and investments while meeting the technical requirements of a broad range of engines and applications, BorgWarner's modular design provides customized performance by using multiple EGR cooler cores with a high percentage of common parts. Depending on the application, BorgWarner's EGR coolers

help engine manufacturers meet stringent emissions standards without any NO_x aftertreatment technology.

About BorgWarner

Auburn Hills, Michigan-based BorgWarner Inc. (NYSE: BWA) is a technology leader in highly engineered components and systems for powertrain applications worldwide. Operating manufacturing and technical facilities in 59 locations in 19 countries, the company develops products to improve fuel economy, reduce emissions and enhance performance. Customers include VW/Audi, Ford, Toyota, Renault/Nissan, General Motors, Hyundai/Kia, Daimler, Chrysler, Fiat, BMW, Honda, John Deere, PSA, and MAN. For more information, please visit www.borgwarner.com.

BorgWarner is expanding applications and markets for its exhaust gas recirculation (EGR) coolers, helping to reduce emissions for 8V to 20V diesel engines (16 liters and 80 liters, respectively) beginning with Tognum MTU-brand diesel engines for locomotives, mining equipment, and pumps for the oil and gas industry.

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