

**BORGWARNER SUPPLIES TURBOCHARGERS TO DAIMLER TRUCKS**  
**FOR FIRST-EVER EURO VI HEAVY-DUTY ENGINE**

*BorgWarner Turbocharging Technology Helps New Mercedes-Benz  
12.8-Liter Blue Efficiency Power Engine Achieve Exceptional Fuel Economy,  
Improved Performance and Low Emissions*

Auburn Hills, Michigan, January 31, 2012 – BorgWarner supplies its B-series turbochargers for the new Mercedes-Benz 12.8-liter six-cylinder in-line Blue Efficiency Power engine, the first in its class to meet upcoming Euro VI emissions standards. Based on Daimler's new heavy-duty engine generation specifically developed for the European market, the turbocharged engine sets a new benchmark in low emissions, improved fuel economy and increased performance. With a power output of 310 kW (421 hp) to 375 kW (510 hp), the powerful engine will be used in on-road commercial vehicles as well as off-highway vehicles. To meet growing demand in the U.S., BorgWarner is also supplying its turbochargers to Daimler's, EPA10-compliant engine which is featured in Freightliner commercial trucks.

"The new Blue Efficiency Power engine is the result of the continuing and successful collaboration between Daimler Trucks and BorgWarner," said Pete Kohler, BorgWarner President and General Manager, Turbo Systems Commercial Diesel Products. "We are pleased to contribute our years of turbocharging experience to the success of this outstanding engine. Around the world, commercial and off-highway drivers will appreciate the benefits of improved performance, increased fuel economy and reduced emissions."

To meet Daimler's demands for system robustness and durability, BorgWarner's latest B-series turbocharger with asymmetric twin scroll turbine housing delivers improved efficiency, high durability and excellent sealing attributes even in the harsh working environments encountered in heavy-duty on- and off-road applications. In contrast to a twin scroll turbocharger consisting of two scrolls of equal size, an asymmetric twin scroll

## BorgWarner Inc. (BorgWarner Supplies Turbochargers to Daimler Trucks for First-Ever Euro VI Heavy Duty Engine)-2

turbine housing incorporates two scrolls of different sizes for separate exhaust gas routing to provide high exhaust gas recirculation rates for efficiently reducing NO<sub>x</sub> emissions. The smaller scroll achieves recirculation of the exhaust gas through higher back pressure built-up in front of the turbine. The larger scroll provides a high turbine output using exhaust gas energy for optimum efficiency without being affected by the exhaust gas recirculation. This combination provides optimum engine response and helps the engine to comply with global emissions standards while achieving better fuel economy and improved performance.

### **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](http://www.borgwarner.com).



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