Immediate Release
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BORGWARNER PROVES ITS ADVANCED DRIVETRAIN TECHNOLOGIES DURING ARCTIC DRIVE EVENT IN SWEDEN

BorgWarner's GenV AWD Coupling and Innovative Front Cross Differential (FXD) Improve Vehicle Traction and Stability for Best-in-Class Drivability

Auburn Hills, Michigan, March 6, 2014 – BorgWarner demonstrates its leading drivetrain technologies at the annual Arctic Drive event in Arjeplog, Sweden, in early March 2014. BorgWarner's fifth-generation (GenV) all-wheel drive coupling and new front cross differential (FXD) technology will be tested under extreme conditions on the icy lakes around Arjeplog. The GenV all-wheel drive (AWD) coupling automatically distributes power between the front and rear axle with a more lightweight and compact design compared with the previous generation. BorgWarner's new FXD technology enhances the driving performance of front-wheel drive (FWD) vehicles without sacrificing engine power. Both technologies significantly increase vehicle dynamics and drivability.

"BorgWarner's latest developments in drivetrain technologies establish a new level of traction and vehicle stability under nearly all driving conditions," said Dr. Stefan Demmerle, President and General Manager, BorgWarner TorqTransfer Systems. "Customers benefit from our many years of experience in advanced FWD and AWD technologies, which improve fuel economy and maximize the fun-to-drive experience."

Featuring a lightweight and compact design, BorgWarner's GenV AWD coupling is more easily incorporated into the powertrain. Using a centrifugal overflow valve integrated into the axial piston pump, a new electro-hydraulic clutch actuator renders the accumulator, solenoid valve and filter unnecessary. Combined with a wet multi-disc clutch, torque is accurately distributed between the front and rear axles, based on data provided by an integrated electronic control unit. The GenV system can also be configured as a part

of a driveline disconnect system to decouple the secondary driveline for improved fuel economy when AWD mode is not needed.

BorgWarner's FXD technology uses proven AWD system components such as the fifth-generation electro-hydraulic multi-plate clutch. By varying the hydraulic pressure, the system generates a controlled locking torque between the left and right front wheels, delivering power to the wheel with the best possible traction even before the wheels start to slip or spin. The system constantly communicates with on-board electronics as well as vehicle sensors, using data such as steering angle, engine torque or yaw rate to adapt the torque to nearly every possible driving situation. FXD improves traction, handling and stability, providing automakers with a compact and easy-to-install limited slip differential solution with a wide range of calibration options.

About BorgWarner

BorgWarner Inc. (NYSE: BWA) is a product leader in highly engineered components and systems for powertrains around the world. Operating manufacturing and technical facilities in 56 locations in 19 countries, the company delivers innovative powertrain solutions to improve fuel economy, reduce emissions and enhance performance. For more information, please visit borgwarner.com.

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