



BorgWarner Propulsion Technologies Conquer the Arctic in Winter Tests

- *Wide range of propulsion solutions improve vehicle dynamics and stability for a fun-to-drive experience and enhanced safety*
- *Electric rear drive module (eRDM) allows torque vectoring and hybrid driving modes*
- *Additional focus on propulsion solutions for combustion and hybrid electric vehicles*

Auburn Hills, Michigan, February 27, 2017 – BorgWarner tests its latest advancements in propulsion technologies on frozen lakes and snowy terrain at the annual Arctic Drive Winter Test in Arjeplog, Sweden, in February and March 2017. Advanced solutions such as its pre-emptive on-demand transfer case, latest all-wheel drive (AWD) coupling and 48-volt electric rear drive module (eRDM) improve vehicle traction, driving dynamics and active stability for enhanced safety and a fun-to-drive experience, even under challenging conditions.

“Our latest propulsion solutions support major trends such as torque vectoring as well as hybrid and electric propulsion concepts,” said Dr. Stefan Demmerle, President and General Manager, BorgWarner PowerDrive Systems. “As a strong development partner for the automotive industry, we always strive to provide our customers around the globe with leading solutions that meet the demands for excellent driving characteristics, improved fuel efficiency and lower emissions.”

Engineered to improve vehicle traction and stability, BorgWarner’s pre-emptive on-demand transfer case and latest AWD coupling distribute torque between the front and rear axle. The transfer case offers AWD functionality for rear-wheel drive vehicles by delivering pre-emptive torque distribution based on signals from the vehicle’s control systems such as steering wheel angle, accelerator pedal position and wheel speed. BorgWarner’s AWD coupling transforms any front-wheel drive vehicle to AWD using a lightweight, high-performance design. Its electronically controlled wet multi-plate clutch automatically provides the requested amount of torque to the rear axle.

BorgWarner electrifies torque vectoring with its eRDM technology. Equipped with a 48-volt motor, this advanced solution delivers superior electric torque vectoring performance combined with full-function mechanical AWD. Integrated into a P3-type hybrid system, the eRDM contributes to improved fuel efficiency and a significant reduction in CO₂ emissions by enabling electrical sailing and regenerative braking and boosting.

With its eBooster[®] electrically driven compressor and the integrated belt alternator starter for 48-volt power supplies, BorgWarner presents additional innovations for combustion and hybrid electric vehicles at the Arctic Drive Winter Test.

About BorgWarner

BorgWarner Inc. (NYSE: BWA) is a global product leader in clean and efficient technology solutions for combustion, hybrid and electric vehicles. With manufacturing and technical facilities in 62 locations in 17 countries, the company employs approximately 27,000 worldwide. For more information, please visit borgwarner.com.



BorgWarner showcases numerous state-of-the-art propulsion technologies for enhanced vehicle dynamics, stability and improved fuel efficiency at the annual Arctic Drive Winter Test.

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