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Roush Upgrades NVH Dynamometer Test Cells

Roush continues to expand their extensive NVH services, and now offers the ability to conduct noise and vibration tests for Class 8 diesel truck engines using a newly installed 450 kW (600 HP) eddy current (EC) dynamometer that absorbs up to 3500 Nm (2600 lbft).

Dynamometer control systems have also been upgraded to Dyne System's Cell Assistant. The system provides control of two EC dynamometers and one direct current (DC) dynamometer that can be used simultaneously or independently. Roush will use this system for testing rear wheel drive engines (i.e. one torque output), front wheel drive engines (i.e. with two torque outputs), and transmissions (i.e. one torque input and one torque output).

The dynamometer system is installed in two hemi-anechoic test cells measuring 6.7 x 6.7 m (22 x 22 foot), with a 200 Hz cut-off frequency. The installation of this system signals Roush's continued commitment to providing full-service engineering and development support. Additional information regarding Roush's NVH services is available on their website at www.roushind.com/nvh. Please direct requests for additional information to Nancy Dye at 734-779-7004.

Roush, a full-service engineering supplier headquartered in the Detroit suburb of Livonia, Michigan, has over 2,500 employees in more than 50 facilities located throughout North America, Mexico, Europe, and the Far East. Widely recognized for providing engineering, testing, prototype development, and manufacturing services to the transportation industry, Roush also provides significant support to the automotive aftermarket, aviation, electronics, consumer product, and motorsports industries. Visit Roush at www.roushind.com

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