International Newsroom

Navistar Introduces ProStar+ With Maxxforce 15

Navistar Offers Industry's Most Comprehensive Lineup of Fully Integrated Proprietary Powertrain/Vehicle Combination

International ProStar®+ with MaxxForce® 15 Provides Heavy-Haul Customers with Powerful, Durable Powertrain without the Hassle of Liquid Urea

LOUISVILLE, KY. – (March 31, 2011) – At a press event at this week's Mid-America Trucking Show in Louisville, Ky., Navistar, Inc. announced the production availability of its much anticipated MaxxForce® 15, which completes the broadest, most comprehensive lineup of integrated truck-engine offerings available to North American commercial truck customers.

"With the addition of our MaxxForce 15, our lineup of MaxxForce Advanced EGR big bore engines truly differentiates us from the competition," said Jim Hebe, Navistar's senior vice president, North American sales operations. "The introduction of the ProStar®+ with MaxxForce 15 now gives customers the ultimate combination in durability and power."

MaxxForce 15: Maximum Power and Durability for Most Demanding Customer Needs

Engineered specifically for International's Class 8 heavy-duty on-highway trucks, MaxxForce 15 for the International ProStar+ is available with up to 500 horsepower and 1,850 lb.-ft. of torque and is the most powerful engine Navistar builds (International PayStar heavy-duty vocational trucks are available with MaxxForce 15 up to 550 horsepower). The engine is designed to handle the most extreme demands that customers require.

The MaxxForce 15 is built on a proven block and crankshaft combined with

the fuel and air systems of the MaxxForce Advanced EGR system. This combination delivers unprecedented hauling power and unrivaled durability with the convenience of a hassle-free 2010 emissions solution. Peak torque is achieved at 1,000 rpm and holds steady to 1,600 rpm, which reduces gear-shifting needs uphill and allows for shifting at lower speeds when accelerating. Durability is enhanced with a four-bolt connecting rod design. The four-bolt design assures the clamping force and rigidity required for extreme loads and terrain, for which the MaxxForce 15 is designed.

A premium cam and rolling element valvetrain system reduces friction and operational load to maintain peak efficiency across the power band. Interstage cooling between the turbos increases air density to maintain peak power as speeds increase.

Comprehensive Line-up of Big Bore Power to Meet Wide Range of On-Highway Applications

Beyond the addition of the MaxxForce 15 to Navistar's portfolio of proprietary, integrated powertrains, the MaxxForce 11 and MaxxForce 13 continue to provide customers with a winning combination of lightweight, fluid efficient power. With a combination of technologically advanced materials and components, the MaxxForce 11 and MaxxForce 13 engines are the ideal powertrain for a wide range of on-highway applications. They deliver outstanding fuel economy, excellent power characteristics, an exceptionally smooth and quiet ride, and high strength without added weight.

Built on a block of compacted graphite iron (CGI), MaxxForce 11 and 13 engines provide superior strength, less fatigue and years of reliable service up to 1.2 million mile B50 durability. The engine design provides up to 500 pounds of weight savings over traditional big-bore, gray-iron engines which translates to greater payload capacity.

A high-pressure common-rail fuel system, dual sequential turbo chargers, effective heat-management system and low-friction design deliver more torque and responsiveness at low rpm for outstanding fuel efficiency. Peak torque is achieved at 1,000 rpm and holds steady to 1,200 rpm, a much lower engine speed than other big bore engines. This reduces gear-shifting needs uphill and allows for shifting at lower speeds when accelerating.

MaxxForce 11 and 13 offer significant versatility, with available options including the MaxxForce® Engine Brake by Jacobs as well as programmable electronic parameters for increased fuel economy and fleet maintenance. Later this year, MaxxForce 13 will be offered with up to 500 horsepower and available for order in the International® LoneStar®.

MaxxForce Advanced EGR: The Only No-Hassle Solution

All 2011 International brand commercial trucks for the North American market are powered by MaxxForce engines with MaxxForce Advanced EGR emissions technology. Navistar has pursued its in-cylinder emissions solution path for the past decade to provide the most customer-friendly powertrain on the market. With MaxxForce Advanced EGR, customers won't have the worry or inconvenience of finding and filling liquid urea. MaxxForce Advanced EGR provides customers with a no-hassle solution that keeps responsibility for emissions compliance with the manufacturer—not the vehicle owner or driver.

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