

# Navistar Demonstrates International ProStar+ Liquefied Natural Gas Truck

## Leading Edge Technologies Demonstrate Commitment to Customers Seeking Alternative Fueled Vehicles

LOUISVILLE, KY (March 31, 2011) – At this week’s Mid-America Trucking Show in Louisville, Ky., Navistar continued its leadership in alternative fueled vehicles with the demonstration of a prototype 2011 International® ProStar®+ powered by a 13-liter MaxxForce® dual fuel engine—diesel and liquefied natural gas (LNG).

“Recognizing the abundant supply of natural gas in the United States and Canada, we feel compelled to invest in our products in such a way that enables our customers to expand their usage of very low emissions technologies through our engines,” said Jim Hebe, senior vice president, North American sales operations, Navistar. “The use of natural gas certainly accomplishes this and we are proud to be developing the broadest, most energy-efficient line of trucks in the industry, helping deliver real-world savings to the bottom line.”

In partnership with Clean Air Power Ltd., Navistar has built and tested a 2011 International ProStar+ 122-inch BBC tractor with a 430 horsepower, 1,550 lb-ft dual fuel MaxxForce 13-liter engine. The engine uses diesel pilot injection for combustion on the compression stroke and mixes air and LNG on the intake stroke. The result is an engine that runs on a mixture of 15 percent diesel and 85 percent natural gas.

The dual fuel 13-liter MaxxForce engine includes minimal changes to the stock diesel engine other than the addition of a natural gas injection system. Changes to the chassis include the addition of a 26-inch diameter, 119-gallon standard LNG tank that provides a 400 mile range, a coolant heated fuel vaporizer, and an LNG regulator and filter. Navistar is currently working with the EPA to define the regulatory requirements of an EPA compliant dual fuel engine.

“As we assess changing market conditions, the ability to offer customers choice is important not only in our U.S. markets, but in our global markets as well,” Hebe added. “As we develop this product for our International truck customers, we will also be able to leverage the technology in other markets and products as appropriate.”

Beyond the LNG ProStar+, Navistar has been at the forefront of a number of alternative fuel vehicles over the past several years. The company introduced diesel-electric hybrid versions of its International DuraStar® and International WorkStar® trucks as well as diesel-electric hybrid and plug-in hybrid versions of its IC Bus brand school and commercial buses. Just last summer, the company introduced the all-electric eStar™ truck, a game-changing product with zero tailpipe emissions and a 100-mile range. Navistar has also recently demonstrated compressed natural gas (CNG) versions of its DuraStar and WorkStar trucks. Today, Navistar has at its disposal one of the broadest line-ups of alternative fueled vehicles in the industry.

### About Clean Air Power

Clean Air Power is the developer and provider of Dual-Fuel™ combustion technology for heavy duty diesel engines. Dual-Fuel™ engines substantially cut fuel costs and carbon emissions without sacrificing the original engine's characteristic efficiency or reliability. Clean Air Power is well positioned to assist corporations and governments to deliver on their environmental commitments while at the same time reducing overhead for transport operators. Initially founded in the United States in 1991, more than \$60 million (USD) has been invested in developing the technology with the result that 63 patents are currently held or pending. The holding company of the Group is based in Bermuda with operational subsidiaries in the U.K., the United States and Australia. The Group was admitted to the AIM market of the London Stock Exchange in February 2006. Further information on Clean Air Power is available at [www.cleanairpower.com](http://www.cleanairpower.com).

### About Navistar

Navistar International Corporation (NYSE: NAV) is a holding company whose subsidiaries and affiliates produce International® brand commercial and military trucks, MaxxForce® brand diesel engines, IC Bus™ brand school and commercial buses, Monaco® RV brands of recreational vehicles, and Workhorse® brand chassis for motor homes and step vans. The company also provides truck and diesel engine service parts. Another affiliate offers financing services. Additional information is available at [www.Navistar.com/newsroom](http://www.Navistar.com/newsroom).

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