

DOUBLE DIGIT % FUEL ECONOMY GAIN.*



Ask any fleet manager what keeps them up at night and fuel economy might be the answer. In this day of rising fuel costs and tightly controlled budgets, fuel economy has to be a factor in any conversation.

The MaxxForce™ 7 has the performance to deliver in the fuel economy discussion. During the development of the 2007 MaxxForce 7 engine, fuel economy improvement was a key design criteria, and the International® Engine Group succeeded. Fuel economy has been increased by double digit percentage points when compared to previous International V-8 engines.

A number of technological factors went into the fuel economy improvements.

- A Piezo High-Pressure Common Rail Fuel System is used that is capable of delivering 5 separate shots of fuel into the cylinder per cycle. Using ceramic, non-mechanical actuators, the MaxxForce 7 has the fastest and most precise control of injection events in the industry. With better control of the engine combustion events, not only is the quantity of fuel better controlled, but the engine is more efficient in its power generation.

- A new EGR system allows improved cooling capabilities due to increased cooling capacity and decreased EGR flow restrictions. This allows reduced NOx emissions while helping to improve fuel economy.

- Coolant flow was designed in a parallel flow pattern, allowing improved flow to all critical engine cooling components. With less load on the water pump, this helps reduce parasitic loads on the engine, allowing the engine to expend less energy on non-performance related tasks.

- A new engine control module with a 32-bit processor helps improve engine control and optimizes integration between the engine and transmission. Engine control is based on torque opposed to speed, providing enhanced responsiveness and helping improve fuel economy.

The MaxxForce 7 provides fleet managers the performance and value they need, but not at the expense of fuel economy.

With double digit percentage fuel economy improvements, the MaxxForce 7 helps everyone sleep at night.

* Double digit percentage fuel economy gains possible under certain conditions. City routes with optimized transmission and drive lines.

MAXXFORCE 7
INTERNATIONAL DIESEL POWER®
ALWAYS PERFORMING.



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