

International Truck Launches 12.4L A26 Engine

Born from a new way of thinking and designed with uptime in its DNA

LISLE, Ill., Feb. 27, 2017 /[PRNewswire](#)/ -- International Truck today launched the International® A26 engine, a powerful new 12.4-liter engine designed to provide industry-leading uptime to the Class 8 market. Driven by a commitment to deliver customer uptime, the A26 was developed through an initiative called Project Alpha, which brought together a new team of the industry's foremost powertrain engineers. The initiative pursued a fresh approach that emphasized simplicity over complexity and using only proven components to deliver industry-leading uptime.

"Project Alpha has fundamentally changed how we design diesel engines," said Bill Kozek, president, Truck and Parts. "The International A26 has been designed to address the rigorous demands of Class 8 truck customers. It's been tested to extremes and meets a demanding B10 design life standard for an unprecedented 1.2 million miles."

Built from the proven MAN D26 engine crankcase, the A26 produces up to 475 horsepower and 1,750 lb.-ft. of torque from a design that's 600-700 lbs. lighter than a traditional 15L big bore engine. Its components have been carefully engineered to deliver uncompromising uptime as well as class-leading fuel efficiency, reduced weight and quiet operation.

"The A26 was designed from the ground up to deliver industry-leading uptime, durability and reliability," said Darren Gosbee, vice president, Advanced Engineering. "The A26 is as simple as a modern engine can be, and we've built uptime into every part of the development process, from design to calibration to testing."

Every component is engineered to maximize uptime. Utilizing a titanium compressor wheel with a simplified single-stage design, the A26 features a

variable geometry turbocharger that reduces complexity and enhances reliability. Larger piston pins, connecting rods and bushings help optimize load distribution for enhanced durability, while smaller piston cooling jets increase oil pressure to improve lubrication, increasing oil change service intervals up to 70,000 miles.

At 2,299 pounds, the A26 is the lightest engine in its class. The A26 is 55 pounds lighter than the engine it replaces, and also enables an impressive 200 pounds of additional weight reduction in vehicle-mounted components. Its Compacted Graphite Iron (CGI) crankcase has greater strength and fatigue resistance than traditional gray iron. Composite valve covers and shot-peened aluminum flywheel housing help deliver impressive weight savings over traditional solutions.

The most efficient engine offered in International's on-highway lineup. Engineered to deliver up to five percent greater fuel economy, the A26 has a simplified air management system, featuring a new Variable Geometry Turbocharger. Fuel injection pressure is maximized by the engine's 2,500 bar (36,300 psi) high pressure common rail fuel system. Coupled with new cylinder head coolant passages that are 50 percent less restrictive to reduce parasitic loss to the water pump, the A26 reduces both fuel consumption and emissions.

Quietest engine in our lineup. The A26's uniquely sculpted crankcase, which is isolated with the oil pan through a specially designed rubber gasket, absorbs vibration and reduces harshness for a quieter in-cab experience. The engine's six-blade fan, specially designed gear teeth and sophisticated calibration and programming are specifically built to reduce engine noise.

The A26 is backed with the industry's best engine warranty: two years, unlimited miles. The warranty reflects confidence in the engine's reliability and durability, which have been confirmed through extensive validation and testing process, including:

- **Hundreds of thousands of hours** of "key life" and dyno testing at extreme engine speeds and loads.
- **Millions of real-world test miles** over the harshest North American roads, including high altitudes and temperatures as low as -40° F.
- **Full validation cycles (concept, design, statistical and product validation)** over a period of years to identify, correct and retest any issue.

The A26 engine is available for order in the International® LT™ Series of long-haul vehicles and RH™ Series of regional haul vehicles.

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