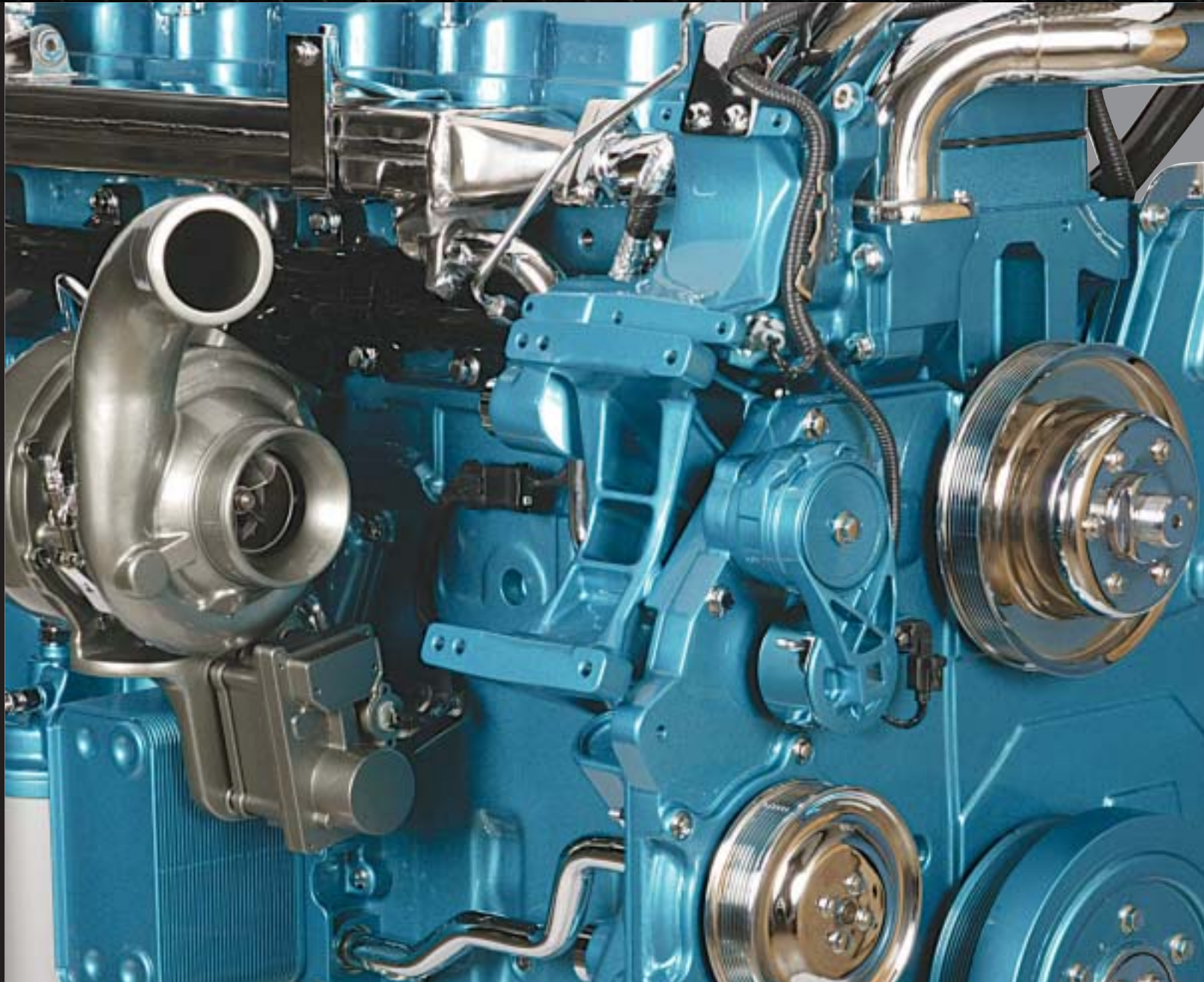


# A HIGHER STANDARD

FOR YOUR BUSINESS.



Higher-Performing Engines by International



# THE INNOVATIONS KEEP COMING. THE ENGINES KEEP GOING.



**International® DT 466**



**International® DT 570**



**International® HT 570**



**International® VT 365**

When you look under the hood of an International® truck, you see the familiar blue engine and know you can count on the technology, innovation and inspiration that only a leader can provide.

And when you run an International truck powered by one of these legendary engines, you'll experience a new level of performance with advances that increase reliability and durability, strengthen your bottom line, optimize fuel economy and simplify routine maintenance. For example, integration with the International® Diamond Logic™ electrical system brings advanced diagnostics for quicker troubleshooting, faster repairs and increased uptime. Never before have truck and engine worked so seamlessly together to ensure success for your business.

International® engines reflect a philosophy that the most important virtues of an engine are reliability, performance and long life. So we follow the most robust design. Select the most premium materials and components. And utilize superior manufacturing technology that ensures exacting tolerances and consistent quality that sets a higher standard. Anything less and it wouldn't be International.

Millions of engines have been produced at our state-of-the-art engine plants in Huntsville, Alabama; Indianapolis, Indiana; and Melrose Park, Illinois. Recognized for utilizing leading-edge processes and having achieved QS-9000 registration, these facilities are well-positioned to deliver unparalleled levels of quality and performance.

As part of our commitment to the environment, International offers Green Diesel Technology® emissions and International® emissions technology. Green Diesel Technology vehicles offer OEM-installed equipment meeting 2007 Particulate Matter (PM) standards today. With International emissions technology – available with International® I-6 engines only – the International truck you buy today can be retrofitted down the road to meet future emissions standards. What's more, your retrofitted engine will achieve the same outstanding performance, durability and fuel economy – plus, your original warranty remains valid.

Our new line of premium in-line six-cylinder engines is built around a proven wet-sleeve design that has made International the world leader in 180-300 hp medium-duty diesel engines. But we didn't stop there. We added important durability-enhancing features only available with heavy-duty big bore engines. So you can count on longer life and even better durability and economic value for your operation.



International® 4300 with a DT 466

## ACCELERATED TECHNOLOGY.

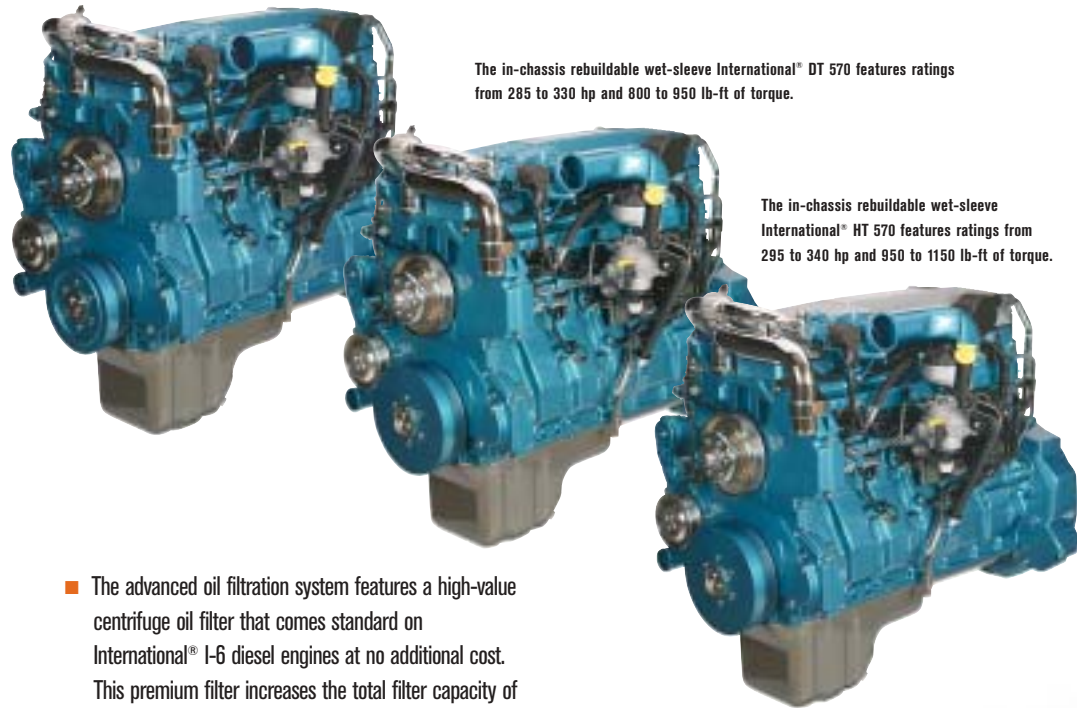
### Improved performance.

- The International® EVRT® electronically controlled turbocharger features adjustable vanes that optimize boost across the entire operating range. The system provides more responsive acceleration while reducing turbo lag – important in applications that call for moving from job site to job site or maneuvering through highway or city traffic. A higher clutch engagement torque means more power off the line and better response.
- The International® Electro-Hydraulic Generation Two (G2) fuel system is a common-rail design, with no high-pressure external lines driving digital valve injectors. The G2 system offers more precise timing control for optimized fuel delivery, meaning better fuel efficiency and reduced emissions. The system is also commercial jet “A”, JP-8 and bio-diesel (B-5) capable.

### More reliable. More durable. More uptime.

- The cylinder head features six bolts per cylinder to assure positive clamping under high firing pressure.
- Roller cam followers utilize roller bearings for longer follower and camshaft life.
- Positive valve rotators ensure longer valve and valve-seat life.
- Each piston’s targeted cooling jet delivers 30% better piston cooling with a simplified design for longer piston life.
- The top-loaded fuel filter and water separator provide easy access for quick filter changes. The design also features a standard water-in-fuel electronic sensor, optional fuel filter heater and restriction indicator.
- Compared to bracket-mounted accessories, new pad-mounted accessories offer less vibration, longer life and easier serviceability.
- An optional electronically controlled integrated intake air heater for faster starts in cold weather.
- An optional powder-coated oil pan protects against harsh road salt and environmental conditions. This oil pan features dual drain plugs that allow dealer installation of an oil pan heater.

The in-chassis rebuildable wet-sleeve International® DT 466 features ratings from 210 to 300 hp and 520 to 860 lb-ft of torque.



The in-chassis rebuildable wet-sleeve International® DT 570 features ratings from 285 to 330 hp and 800 to 950 lb-ft of torque.

The in-chassis rebuildable wet-sleeve International® HT 570 features ratings from 295 to 340 hp and 950 to 1150 lb-ft of torque.

- The advanced oil filtration system features a high-value centrifuge oil filter that comes standard on International® I-6 diesel engines at no additional cost. This premium filter increases the total filter capacity of the engine; extends engine, oil and filter life; improves fuel efficiency and achieves greater filter efficiency than a full-flow filter alone.

### Better breathing. Higher efficiency.

- The variable displacement high-pressure oil pump provides enhanced fuel injection capability with improved efficiency.
- Four valves per cylinder and central injectors allow for more efficient combustion.
- Intake ports maximize airflow and swirl patterns into the combustion chamber for efficiency, performance and low emissions.
- Redesigned intake manifold ensures more efficient airflow.
- Cooled Exhaust Gas Recirculation (EGR) reduces oxides of nitrogen (NOx) to meet strict emissions standards.

### Designed for minimal leaks.

- Potential leak paths have been reduced through integrated system design.
- Pipe thread ports and fittings have been replaced with SAE O-ring boss ports and fittings.
- The rear crank seal is integrated into the flywheel housing, reducing leak potential and increasing durability.

- A one-piece stacked-plate oil cooler provides improved capability and features a virtually leak-free design.
- Paper gaskets have been eliminated and replaced with premium no-compromise gasket polymers that are tailored to seal oil or water. Valve cover and oil pan gaskets are reusable.
- The high-pressure oil rail features a one-piece design that is located under the valve cover to minimize external plumbing and leaks.

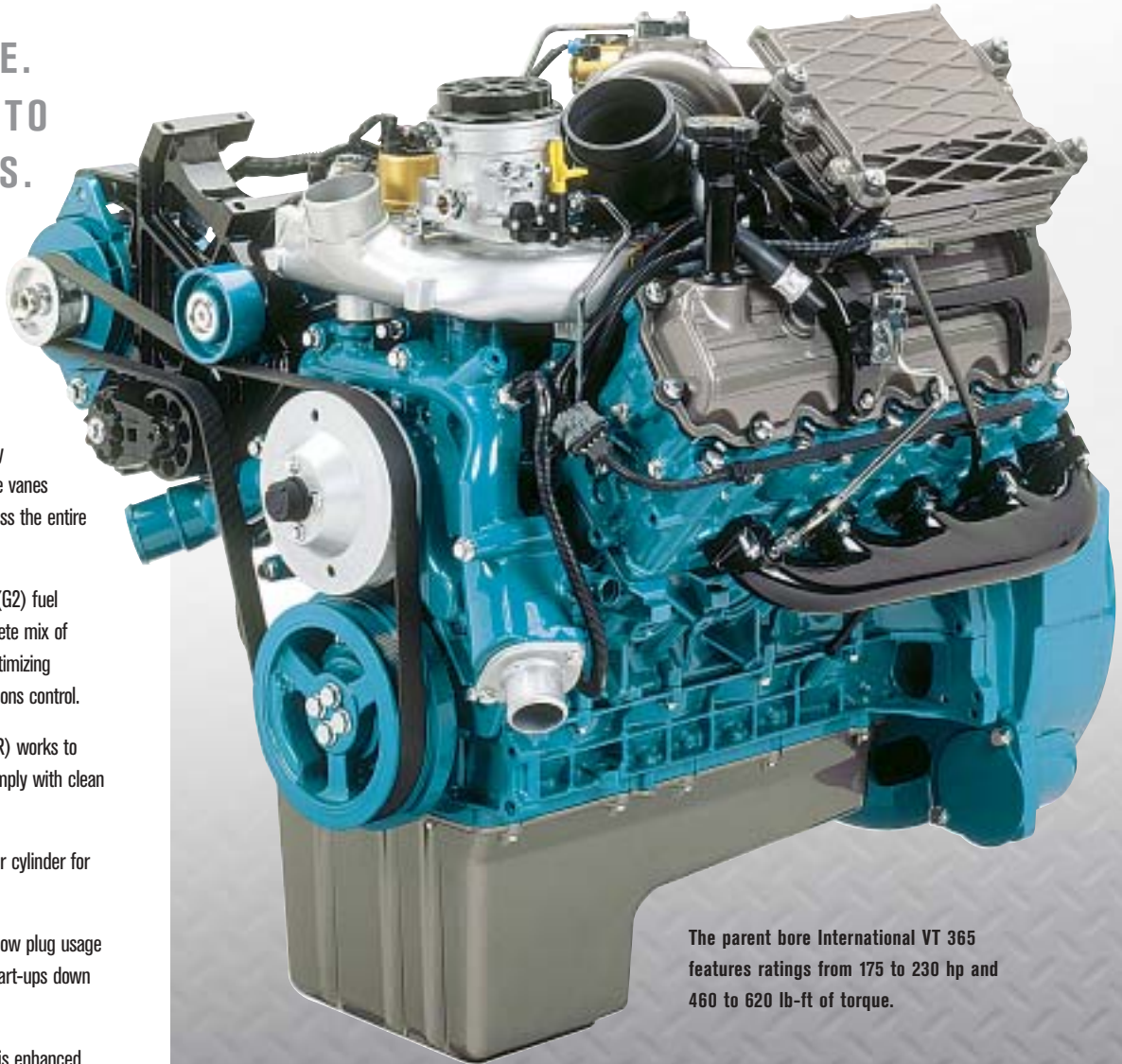
### Unmatched braking performance.

- The optional Diamond Logic™ exhaust brake is integrated into the EVRT turbocharger to provide electronically controlled braking without external braking devices. The exhaust brake provides up to 150 bhp on DT 466 engines and up to 185 bhp on DT and HT 570 engines.\*
- The optional Diamond Logic™ engine brake provides the braking power of traditional mechanical engine brakes with significantly reduced noise levels. The engine brake provides up to 275 bhp on DT 466 engines and up to 325 bhp on DT and HT 570 engines.\*
- Both brake systems integrate with cruise control to help keep the vehicle at desired speeds.

## RESPONSIVE. ESPECIALLY TO YOUR NEEDS.

The economical International® VT 365 is engineered for business success with features that enhance driveability, fuel efficiency, reliability and serviceability.

- The International® EVRT® electronically controlled turbocharger uses adjustable vanes within the turbo to optimize boost across the entire operating range.
- The Electro-Hydraulic Generation Two (G2) fuel injection system delivers a more complete mix of fuel and air for better combustion – optimizing performance, fuel efficiency and emissions control.
- Cooled Exhaust Gas Recirculation (EGR) works to reduce oxides of nitrogen (NOx) to comply with clean air standards today and tomorrow.
- Airflow is improved with four valves per cylinder for fuel efficiency.
- Electronic controls precisely monitor glow plug usage and maximize effectiveness for sure start-ups down to -20 degrees Fahrenheit.
- Uptime is increased and serviceability is enhanced with easily replaceable glow plugs, top-mounted fuel and oil filters, an easy-to-remove oil pan and easy access to front accessories, air compressor and alternator.
- The rear-mounted gear train drives the power steering and fuel transfer pump, plus reduces gear noise.
- The cast-iron bedplate design contains all five, four-bolt main bearing caps in one piece – giving additional strength to the bottom of the cylinder block, maintaining perfect bearing alignment and reducing noise.



The parent bore International VT 365 features ratings from 175 to 230 hp and 460 to 620 lb-ft of torque.

International® 4200





**THE BRILLIANCE OF COMMON SENSE.™**

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