

Product Data Sheet

PT Maxnitron Hi-Commonrail

Semi-Synthetic High Performance Heavy Duty Diesel Engine Oil

API CI-4 / JASO DH-1

SAE 10W-30

PT Maxnitron Hi-Commonrail is a premium semi-synthetic diesel engine oil formulated with highly refined base oils that offer greater purity than conventional mineral oils. Blended with advanced performance additives, developed using the latest SYN4MAX technology, it features a special detergent system and ash-less dispersants in an optimized balance. This formulation keeps the engine exceptionally clean under all operating conditions, provides superior oxidation resistance, and delivers outstanding wear protection. As a result, the engine performs at its maximum efficiency and power, even under severe or high-load operating conditions.

Customer Benefits

Extends Engine Life

Formulated with SYN4MAX advanced additive technology, specifically engineered to provide exceptional metal-organic anti-wear and anti-corrosion protection, proven to safeguard critical engine components under all operating conditions. Its multi-grade viscosity ensures additional protection during cold starts and delivers superior lubrication at high temperatures — ideal for turbocharged diesel engines. This premium-quality engine oil meets OEM factory-fill standards, as specified by leading vehicle manufacturers in Thailand.

Maximum Engine Power and Performance

PT Maxnitron Hi-Commonrail is formulated with high-performance metal-organic detergent additives that help the engine deliver its maximum power output while keeping internal components exceptionally clean. It effectively controls soot and deposit formation in high-temperature areas such as piston ring grooves, ensuring smooth engine operation and sustained performance. The formulation has been tested and proven to meet the Japanese JASO DH-1 standard for wear protection.

Improved Fuel Economy

With its optimized viscosity characteristics and excellent stability, PT Maxnitron Hi-Commonrail helps ensure enhanced fuel efficiency, particularly in modern diesel engines designed to fully benefit from lower-viscosity lubricants.

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Performance Standards

- API CI-4
- JASO DH-1

Applications

- Suitable for engines with less than 300,000 km of service life.
- Diesel engines (common rail, high-rev, 4-stroke, turbocharged, or naturally aspirated). Passenger cars / SUVs / MPVs / Pickup trucks / 4WD vehicles.
- Passenger or commercial vehicles using HDMO (Heavy Duty Motor Oil) diesel engine oils with CI-4 performance or lower.
- Recommended oil change interval: 15,000 km (depending on operating conditions, fuel quality, engine age, and maintenance practices).

Typical Characteristics

Properties	SAE 10W-30
Viscosity @ 100 °C (cSt.)	12.2
Viscosity @ 40 °C (cSt.)	82.3
Viscosity Index	144
Total Base Number, mgKOH/g ;D2896	10.4
Sulfated Ash	1.5
Zinc Mass (% wt)	0.15

*The values stated above represent the current manufacturing standards and are subject to change as necessary to suit each production batch may cause minor differences. However, the products will continue to maintain the same quality characteristics and standards of PT Maxnitron.