

Product Data Sheet

PT Maxnitron Ultra Synthetic Diesel

Fully Synthetic & Ultra High Performance Diesel Engine Oil

API CK-4 / ACEA E6/E9-2016 / JASO DH-2

SAE 5W-30

PT Maxnitron Ultra Synthetic Diesel is a 100% fully synthetic premium grade with low-ash (Low Ash) technology for clean diesel engines that are environmentally friendly. It is designed for engines equipped with DPF, SCR, and DOC exhaust after-treatment systems and supports diesel engines meeting EURO IV to EURO VI standards. It is suitable for diesel engines meeting API CK-4, equivalent to European ACEA E6/E9-2016 and Japanese JASO DH-2 standards.

PT Maxnitron Ultra Synthetic Diesel is formulated with specially designed performance additives developed by PT Maxnitron to meet the comprehensive needs of users (SYN4MAX - DEEP Concept: Durability / Environmental & Economical / Protection). It combines high-quality synthetic base oils with premium performance additives, including detergents for engine cleanliness and balanced dispersants, ensuring outstanding engine cleanliness under all operating conditions. Exceptional oxidation resistance. Consistent viscosity retention throughout the oil's service life. Superior anti-wear protection, safeguarding critical engine components and this oil is suitable for all driving conditions, from dense urban traffic, to high-speed highway driving, and heavy-duty operation requiring maximum power, enabling the engine to perform at peak efficiency and full potential.

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Customer Benefits

Extend Engine Life and Provide Superior Protection

SYN4MAX advanced performance additives provide anti-wear and anti-corrosion protection, along with highly effective foam control, safeguarding critical engine components. Fully synthetic formulation (100% Synthetic) ensures excellent protection and maintains optimal viscosity under all operating conditions. Offers enhanced protection during engine start-up, even under high-temperature conditions. Designed for high-performance diesel engines of all types, delivering superior engine protection.

Maximum Engine Power and Performance

PT Maxnitron Ultra Synthetic Diesel contains high-performance detergent additives that control the formation of deposits and combustion soot, helping to reduce the accumulation of carbon and contaminants on engine components, ensuring the engine operates at maximum power and performance.

Low-Ash Formulation and Optimized Viscosity

The oil forms a strong, low-friction film that helps the engine improve fuel efficiency. Its optimized viscosity, combined with a low-ash (Low Ash) formulation, helps extend the service life of exhaust after-treatment devices in modern high-performance diesel engines equipped with DPF, SCR, and DOC systems. This reduces exhaust emissions, supporting a cleaner environment and contributing to a better quality of life.

High-Temperature Durability and Extended Oil Life

Excellent thermal and oxidative stability protects against the formation of sludge. Maintains optimal viscosity under all operating conditions. Reduces oil consumption and extends oil change intervals. More economical and cost-effective compared to conventional lubricants.

Performance Standards

- API CK-4
- ACEA E6/E9-2016
- JASO DH-2
- Volvo VDS 4.5
- Cummins CES 20086
- Detroit Diesel DDC93K222
- MACK EOS-4.5
- Renault RLD-4
- MB 228.51

Applications

- Euro VI emission standards, equipped with DPF, SCR, and DOC exhaust after-treatment systems, including heavy machinery and generator sets.
- Diesel engines with common-rail fuel injection, EGR (Exhaust Gas Recirculation), or turbocharged systems.
- New diesel engines requiring HDEO (Heavy Duty Engine Oil) with API CK-4 or lower performance levels.
- Passenger vehicles, PPV, MPV, SUVs, Crossover SUVs, high-performance 4WD vehicles, and diesel pickup trucks.
- Passenger and commercial vehicles with other diesel engine types.
- Recommended oil change interval: 15,000–20,000 km, depending on operating conditions, fuel quality, engine age, and maintenance practices.

Typical Characteristics

Properties	SAE 15W-40
Viscosity @ 100 °C (cSt.)	10.9
Viscosity @ 40 °C (cSt.)	65.4
Viscosity Index	160
Total Base Number, mgKOH/g	10.0
Sulfated Ash (% wt)	1.0

*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.