

Product Data Sheet

PT Maxnitron Fleet HD

Semi-Synthetic & Premium Performance Heavy Duty Diesel Engine Oil

API CI-4 / SL, ACEA A3/B4 , ACEA E-7, JASO DL-0/ DH-1 '17

SAE 15W-40

PT Maxnitron Fleet HD is a standard-grade synthetic technology engine oil, specially designed for diesel engines meeting API CI-4 performance standards, equivalent to ACEA E7-16 (Europe) and JASO DH-1 (Japan). In addition, it is also suitable for gasoline engines that require API SL performance standards.

PT Maxnitron Fleet HD is formulated with special additives developed exclusively by PT Maxnitron to meet user demands in every aspect under the SYN4MAX – DEEP Concept (Durability / Environmental & Economical / Protection). It contains a blend of high-quality base oils and synthetic oils, combined with highly effective additives such as detergents and dispersants in optimal balance. The engine clean from detergent and dispersant, provides excellent oxidation resistance, maintains optimal viscosity throughout the oil's service life, and delivers outstanding protection against engine wear. As a result, the engine operates at maximum efficiency and full performance, even under heavy-duty and severe driving conditions.

Customer Benefits

- **Extends engine service life with superior protection**

Formulated with proven SYN4MAX technology, anti-wear additives provide excellent protection for critical engine components under all operating conditions. Engine protection is achieved through semi-synthetic oil and multi-grade viscosity, maintaining optimal viscosity across the entire operating range. This helps prevent additional wear during cold starts, especially under high-temperature operating conditions for turbocharged diesel engines.

- **Delivers maximum power and full performance**

PT Maxnitron Fleet HD contains high-performance detergents that effectively reduce the accumulation of soot and contaminants on engine components, allowing the engine to operate at maximum power. Advanced dispersant additives control soot formation resulting from combustion, even during prolonged high-temperature operation.

- **Extends oil and filter service life**

Exceptional oxidation-resistant additives help prevent the formation of sludge and varnish that can cause oil thickening and excessive viscosity. In addition, superior dispersant molecules reduce the agglomeration of soot and dust, minimizing the risk of oil filter clogging.

Performance Standards

- API CI-4, CH-4/SL, SJ
- ACEA E7
- ACEA A3/B4
- JASO DL-0/ DH-1 '17
- MB 228.3
- MTU Type2
- Volvo VDS-3/Renault RLD -2/Mack EO-N
- Mack EO-M+
- Cummins CES 20076/77/78
- DDC 93K215
- Deutz DQC III-18
- Global DHD-1
- Allison TES 439
- Allison C4

Applications

- Diesel engines (high-speed, four-stroke, turbocharged, or naturally aspirated)
- Suitable for engines equipped with Diesel Particulate Filters (DPF) or Exhaust Gas Recirculation (EGR) systems
- Trucks, transport vehicles, buses, pickup trucks, and commercial vehicles
- Heavy machinery and generator sets
- Recommended oil drain interval: 20,000–30,000 km
- The recommended drain interval depends on operating conditions, fuel quality, engine age, and maintenance practices

PT Maxnitron Fleet HD

Semi-Synthetic & Premium Performance Heavy Duty Diesel Engine Oil

API CI-4 / SL, ACEA A3/B4 , ACEA E-7, JASO DL-0/ DH-1 '17

SAE 15W-40

Typical Characteristics

Properties	Test Method	SAE 15W-40
Appearance	Visual	Bright & Clear
ASTM Color	ASTM D1500/D6045	L2.5
Density @15°C, g/cm ³	ASTM D4052	0.8717
Kinematic Viscosity @40°C, cSt	ASTM D445	111.8
Kinematic Viscosity @100°C, cSt	ASTM D445	14.72
Viscosity Index	ASTM D2270	136
Flash Point by COC, °C	ASTM D92	248
Pour Point, °C	ASTM D5950/6892/6749	-39
Total Base Number, mgKOH/g	ASTM D2896	10.9
Cold Cranking Simulator @ -20°C, mPas	ASTM D5293	5,972

*The above values represent typical production standards at the time of manufacture. Variations may occur between production batches; however, the essential characteristics and performance of PT Maxnitron remain consistent with its quality standards.