

POWEROIL SUPER MAXIMA XP 15W-40 Diesel Engine Oil

POWEROIL SUPER MAXIMA XP is an advance technology semi synthetic heavy duty diesel engine oil conforming to the requirements of PC-11 engine oil technology. It is formulated for engines operating under severe service and for a wide range of climatic conditions designed to meet the latest BS VI exhaust emissions standards. It also meets the heavy duty scuffing test requirements of various OEMs.

POWEROIL SUPER MAXIMA XP offers backward compatibility to the existing hardware, and hence the durability and efficiency that OEMs demand, thereby providing higher levels of lubricant performance than its predecessor CJ-4, CI-4 PLUS, CI-4 and CH-4 oils.

Benefits

- **Excellent Oxidation Stability** - High quality oil with enhanced thermal & oxidation stability thereby reducing sludge deposits.
- **Excellent Shear Stability** - Highly shear stable VI improver enabling proper viscosity level throughout the service life of the oil, hence ensuring improved engine protection.
- **Good Engine Protection** - Disperses soot and helps control wear. Cylinders, pistons, rings, and valve train components are well protected against wear and corrosion, providing good service life and minimal maintenance.
- **Better Fuel Economy.**
- **Appropriate Emission Control System Life** - Provides appropriate Diesel Particulate Filter (DPF) life for minimal downtime and cleaning, thus managing maintenance costs.
- **Managed Inventory Costs** - Backward compatible with all previous API Oil Service Categories and engine models. Good for service in diesel engines and naturally aspirated, turbocharged and modern electronically controlled/low emission diesel engines.
- **Excellent low temperature properties** ensuring cold start wear protection.

Applications

New technology developments in diesel engines have led to lower emissions in heavy duty vehicles. These technology advances result in increasing levels of torque within the engine, leading to higher pressures and temperatures.

Performance Specifications

POWEROIL SUPER MAXIMA XP 15W-40 is API licensed for **API CK-4** specification.

The engine oil also meets the following performance requirements:

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|----------------------------|----------------------|
| - API CK-4 | - Volvo VDS -4.5 |
| - Cummins CES 20086/87 | - MACK EO-S 4.5 |
| - Detroit Diesel DDC93K222 | - Renault RLD- 3 |
| - Caterpillar ECF-3 | - ACEA E7/E9-16 |
| - MAN 3775 | - MTU Type 2.1 |
| - MB 228.31 | - Ford WSS M2C171-F1 |
| - Deutz DQC III-10 LA | - Allison TES 439 |

Typical Characteristics

CHARACTERISTICS	POWEROIL SUPER MAXIMA XP
SAE Viscosity Grade	15W40
Density @29.5 °C gm/cc	0.875
Kinematic viscosity @ 100°C cSt	14.7
Viscosity Index, Min.	145
Flash point, °C (COC), Min.	218
Pour Point, °C., Max.	-36
TBN, mg KOH/gm	9.7
Sulphated Ash, %wt	0.99
CCS, cP @ -20 °C	5152

Note: Always consult your owner's manual to check for recommended viscosity grade and specifications of oil for your particular vehicle.



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