

POWEROIL SUPER MAXIMA XP 15W-40

Extra High Performance Diesel Engine Oil

POWEROIL SUPER MAXIMA XP is an advance technology semi synthetic heavy duty diesel engine oil confirming 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:

- API CK-4/ CI4 Plus/CI4/CH4/CG4/CF4
- Cummins CES 20086/87
- Detroit Diesel DDC93K222
- Caterpillar ECF-3
- MAN 3775
- MB 228.31
- Deutz DQC III-10 LA
- Volvo VDS - 4.5 (Approved)
- MACK EO-S 4.5 (Approved)
- Renault RLD- 3 (Approved)
- ACEA E7/E9-16
- MTU Type 2.1
- Ford WSS M2C171-F1
- Allison TES 439

Typical Characteristics

SUPER MAXIMA XP 10W- 40		
CHARACTERISTICS	METHOD	TYPICAL VALUES
SAE Viscosity Grade	J 300	15W40
Density @29.5 °C gm/cc	ASTMD 4052	0.875
Kinematic viscosity @ 100°C cSt	ASTM D 445	14.7
Viscosity Index, Min.	ASTM D 2270	145
Flash point, °C (COC), Min.	ASTM D 92	218
Pour Point, °C., Max.	ASTM D 97	-36
TBN, mg KOH/gm	ASTM D2896	9.7
Sulphated Ash, %wt	D 874 -13a	0.99
CCS, cP @ -20 °C	ASTM 5293	5152

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

Health, Safety & Environment

POWEROIL SUPER MAXIMA XP 10W-40 is not expected to produce any significant health & safety hazard when used properly in intended application. However, avoid skin contacts by using proper Gloves. After skin contact, wash immediately with soap and water. For details, follow Material Safety Data Sheet.

Disposing any used oil in drainage is hazardous to environment. Take used oil to an authorized Collection point.



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