

## POWEROIL SUPER MAXIMA XP (10W-40) Diesel Engine Oil

**POWEROIL SUPER MAXIMA 10W-40** is a Top-of-the-line engine oil, designed for modern Ultra-low emission diesel engines fitted with after treatment devices such as DPF, SCR to meet the modern exhaust emission standards. The Product is blended from High Performance base oil and unique additive packages to provide extra protection against oil thickening, valve train wear, soot handling and high-altitude low temperature applications.

### Benefits

- Excellent low temperature properties ensure cold start wear protection.
- Advanced detergency & dispersancy provides a cleaner and longer engine components life.
- High quality oil with enhanced thermal & oxidation stability reduces sludge deposits.
- Highly shear stable VI improver maintains proper viscosity level throughout the service life of the oil, hence ensuring improved engine protection.
- Maintains high order of engine cleanliness by enhanced soot handling.
- Prevents engine parts from rusting and corrosion.
- Outstanding protection against high temperature engine deposits, oil degradation, oil thickening and corrosion resistance.
- One oil for many applications reduces oil inventory and reduces risk of wrong oil being used.

### Applications

Recommended for use in modern and low emission heavy duty diesel engines where API CK-4 specification is desired. It is suitable for severe duty On-Highway, Construction and mining operation and heavy haulage, Stationary engines etc. Recommended for Indian Emission Standard of BS VI, European emission standard EURO VI type engines.

### Performance Specifications

POWEROIL SUPER MAXIMA 10W-40 is API licensed for API Ck-4 specification.

The engine oil also meets the following performance requirements:

- |                     |                            |
|---------------------|----------------------------|
| - ACEA E9-16        | - Detroit Diesel DDC93K218 |
| - Volvo VDS-4       | - JASO DH-1                |
| - MAN M3275         | - MB 228.31                |
| - DEUTZ DCQ III     | - MTU Type 2.1             |
| - MACK EO-O PP      | - CAT ECF-3                |
| - Cummins CES 20081 | - Renault RLD-3            |

## Typical Characteristics

POWER ENGINE SUPER MAXIMA 10W-40		
TEST PARAMETERS	METHOD	TYPICAL VALUES
Density @ 15 oC kg/l	ASTM D4052	0.86
Kinematic viscosity @ 40oC cSt	ASTM D445	98.39
Kin. Viscosity @ 100°C, cst	ASTM D 445	15.3
Viscosity Index	ASTM D 2270	154
Flash Point, °C	ASTM D 92	232
Pour Point, °C	ASTM D 97	-27
TBN, mgKOH/gm , min	ASTM D2896	7.0
CCS @-25°C ,cp	ASTM 5293	5838

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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