

PREMIUM HD SUPER 15W40 CK4

PREMIUM HD SUPER 15W40 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.

PREMIUM HD SUPER 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 with CI-4 PLUS, CI-4 and CH-4 oils

PERFORMANCE STANDARDS:

API CK4/CJ4/CI4 Plus/CI4/CH4/CG4/CF4

Cummins CES 20086

DEUTZ DDC93K222

Caterpillar ECF-3

MAN 3575

MB 228.31

Volvo VDS-4.5

MACK EO-S 4.5

Renault RLD- 3/RLD-4

ACEA E7/E9-16

MTU 2.1

Ford WSS M2C171-F1

CERTIFICATE : API CK-4 15W40

CHARACTERISTICS	PREMIUM HD SUPER(TYPICAL VALUE)
SAE Viscosity Grade	15W40
Kinematic viscosity @ 100°C cSt	14.7
Viscosity Index, Min.	145
Density @29.5 °C gm/cc	0.875
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

The above properties are typical values and do not constitute specification of the product



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APPLICATION:

- 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. PREMIUM HD SUPER offers advance Technology adapts to increased pressure and temperature with its proven shear stability and oxidation performance, extending useful life of the oil for longer service intervals and higher productivity.

PERFORMANCE 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 gasoline engines and naturally aspirated, turbocharged and modern electronically controlled/low emission diesel engines.
- **Excellent low temperature properties** ensuring cold start wear protection.

HEALTH, SAFETY & ENVIRONMENT:

PREMIUM HD SUPER 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.