

# DIESEL ENGINE OIL

## HD 50 SAE 50 API CD/SF



HD 50 SAE 50 is a monograde diesel engine oil, manufactured from a high-quality of base oil and selected additives to give excellent detergency and dispersancy.

### SPECIFICATION

It is specially formulated for moderate conditions; it has a good quality alkalinity reserve to neutralize the acidic effect of high sulphur fuel for diesel engines.

### PERFORMANCE LEVEL

- API: CF MIL-L-2104D
- MIL-L-46152B/C

### ADDITIONAL QUALITY FEATURES

- It has a good level of detergency and dispersancy.
- Protection against wear and rust prevention.
- Excellent high-temperature stability.
- Excellent internal engine cleanliness.
- Excellent oxidation protection at high temperatures.

### APPLICATION OF USE

HD 50 SAE 50 is recommended for use in diesel turbocharged and normally aspirated engines, for vehicles, trucks, buses, and earth-moving equipment operating on/off-road and highways, and for material handling machines, and generators.

### TYPICAL TECHNICAL PROPERTIES

Physical Characteristics	Test Method	Typical Value
SAE Grade		50
Density @ 15 °C, kg/L	ASTM D-1298	0.896
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	220
AT 100 °C cSt	ASTM D-445	19.3
Viscosity Index	ASTM D-2270	98
Flash Point COC, °C	ASTM D-92	256
Pour Point, °C	ASTM D-97	-9
TBN, mg KOH/gm	ASTM D-2896	10

Note: All figures may vary slightly.