

# POWEROIL ENGINE DEO 20W-50

## High Performance Diesel Engine Oil

**POWEROIL ENGINE DEO 20W-50** is a multi-grade Diesel Engine Oil exceeding the requirements of naturally aspirated engines and some turbo-charged diesel engines. It can be used in trucks, tractors & stationary engines where this type of performance level is required. The multi-grade span is adequate for most climatic conditions, except those of very low temperatures.

### Benefits

- Reduced wear on engine parts increasing engine life: The engine oil has good anti-wear properties that remain fully active throughout the period of service, thus keeping the engine in the best possible condition.
- Demonstrates excellent control on oil thickening: The product maintains solid products of combustion in suspension until the next oil change, thereby preventing the formation of dangerous deposits in the sump.
- Excellent detergency keeping your engine clean: The engine oil keeps the hottest parts of the engine such as pistons and piston rings clean. These properties are ensured by a special combination of exclusive additives with synergic antioxidant and detergent properties. Deposit formation due to degraded lubricant components and combustion residues is thus minimized.
- The Multi-grade characteristics of this product make it perfectly suitable for diesel engines operating under a wide range of climatic conditions. It retains a considerable viscosity (SAE 50) at high temperatures, while remaining sufficiently fluid at low temperatures to ensure easy starting down to about -10 °C (SAE 20W).

### Applications

**POWEROIL ENGINE DEO 20W-50** is specially recommended for use in a broad range of Heavy-duty diesel engines, including:

- On-road vehicles such as trucks, buses, and commercial fleets
- Off-road equipment including earthmoving, construction, mining, and quarry machinery
- Stationary engines used in power generation and industrial applications

This product is suitable where **API CH-4** and **20W-50** grade oils are specified  
Recommended for use in trucks, tractors and stationary engines with diesel engines.

### Performance Specifications

POWEROIL ENGINE DEO 20W-50 is API licensed for **API CH-4** specification.

The engine oil meets the requirements of the following specifications:

- API CH-4, API CF-4, API CF, API CG-4, MACK EO-M, MAN M3275, Volvo VDS-2, Renault Trucks RD/RD2, Cummins CES 20076, MTU, Oil Category 2, MB 228.3.

## Typical Characteristics

POWEROIL ENGINE DEO 20W-50		
TEST PARAMETERS	METHOD	TYPICAL VALUES
Density @29.5°C. gm/cc	ASTMD 1298	0.886
Kinematic Viscosity at 40°C	ASTM D D 7042	164.3
Kinematic Viscosity at 100°C	ASTM D 7042	18.35
Viscosity Index	ASTM D 2270	137
Flash Point, °C	ASTM D 92	232
Pour Point, °C	ASTM D 97	-24
TBN, mgKOH/gm	ASTM D2896	8.56
CCS @-15°C ,cp	ASTM 5293	5288

**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 ENGINE DEO 20W-50** 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.