

# MAGNUM DIESEL ENGINE OIL

## SAE 20W-50 API CF-4

# MAGNUM

By Millennium Group

MAGNUM SAE 20W-50 is a multi-grade heavy-duty diesel engine oil formulated from high-quality virgin base oil and selected additives. It delivers increased fuel efficiency and extends the engine's operational life. Specially made to withstand severe on and off-road conditions, MAGNUM also features good alkalinity to neutralize the acidic effect of sulfur in diesel fuel. It provides a good drain interval while maintaining protection against wear, oxidation, and rust.

### BENEFITS

- High Oxidation Stability
- Excellent Protection Against Wear and Tear
- Good Thermal Stability
- Improved Fuel Economy
- Protects Against Soot Formation and Piston Deposits
- Anti-foaming and Anti-rust Properties

### PERFORMANCE LEVEL

- API: CF-4 MIL-L-2104E ACEA E2
- Meets the requirements: MAN M271, MB 228.1, MACK EO-L, VOLVO VDS, ALLISON C-4, CATERPILLAR TO 2

### APPLICATION OF USE

Recommended for naturally aspirated and turbocharged heavy-duty diesel engines. Suitable for passenger cars, light commercial vehicles, and an extensive range of heavy-duty applications. Designed for highway and off-road applications. Used in all diesel engines whether the manufacturer recommends API CF-4 or earlier specifications also suitable for gasoline engines with API SG.

### TYPICAL TECHNICAL PROPERTIES

Physical Characteristics	Test Method	Typical Value
SAE Grade		20W-50
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	147
AT 100 °C cSt	ASTM D-445	17
Viscosity Index	ASTM D-2270	130
Flash Point COC, °C	ASTM D-92	226
Pour Point, °C	ASTM D-97	-30

Note: All figures may vary slightly.