

**MAG ULTRA 9 SAE 20W50  
 DIESEL ENGINE OIL**

**ULTRA 9 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, Ultra 9 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.

**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

**Features & Benefits**

1. High Oxidation Stability
2. Excellent Protection Against Wear and Tear
3. Good Thermal Stability
4. Improved Fuel Economy
5. Protects Against Soot Formation and Piston Deposits
6. Anti-foaming and Anti-rust Properties

**Applications**

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 where the manufacturer recommends API CF-4 or earlier specification, also suitable for gasoline engines with API SG.

CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		20W50
Density @ 15 °C, kg/L	ASTM D-1298	0.897
Kinematic Viscosity, cSt	ASTM D-445	175
AT 40 °C cSt	ASTM D-445	19.3
AT 100 °C cSt		
Viscosity Index	ASTM D-2270	127
Apparent Viscosity @ -20°C, cP	ASTM D-5293	8500
Flash Point COC, °C	ASTM D-92	240
Pour Point, °C	ASTM D-97	-27
TBN, mg KOH/gm	ASTM D-2896	11

Note: All figures may vary slightly.

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