



CF/SL - Heavy Duty Motor Oil SAE 50 (API CF/SL, TBN 8)

Our HDMO CF/SL Heavy Duty Motor Oil SAE 50 is a multi-grade lubricant designed for use in four-stroke diesel engines as well as carbureted and gasoline engines in both heavy duty and normal operating conditions.

- Formulated with anti-shear properties and Type I paraffinic base stocks and a special additive package designed for superior protection against wear, corrosion, oxidation and varnish.
- The API category CF was introduced in 1994 for typical service for use in four-stroke diesel engines using diesel fuel with >0.05% of sulfur content. (for both On/Off highway equipment).
- Our HDMO CF/SL offers:
 - a) Effective Piston Deposits Control. (caused by the high temperatures).
 - b) Increase Gas Mileage.
- Recommended to be used in Trucks and Diesel Engines as well as Compressors and Agricultural Equipment where an API CF is required.
- Recommended to be used where an API SL gasoline motor oil specification is required.
- Available in Bulk, 275Gall, 55Gall, 5Gall.



Typical Inspections

Typical Inspections	Method	Typical Results
Color	Visual	Brilliant, Amber
Density Lbs/Gal	Gardner	7.39
API Gravity	ASTM D-1298	27.5
Specific Gravity @ 15.6°C	ASTM D-1298	0.889
Viscosity Index	ASTM D-2270	125
Pour Point °C (°F)	ASTM D-97	-24 (-15)
Flash Point C.O.C. °C (°F)	ASTM D-92	240 (464)
Fire Point C.O.C. °C (°F)	ASTM D-92	250 (482)
Viscosity @ 40°C, cSt	ASTM D-445	180
Viscosity @ 100°C, cSt	ASTM D-445	18.6
Sulfated Ash, wt%	ASTM D-874	1.2

Meets/Exceeds Specifications

SAE 20W50
API CF/SL, CF-4
TBN 8
ACEA E2-96
ACEA A2-96/B2-98

Meets/Exceeds OEM Requirements

Mercedes Benz 228.1
VOLVO VDS
MAN 271
MTU Level 1

Note: The general description, recommended uses, application data and statements in the product literature are guidelines. Because the product may be used for a variety of applications, over which **Carteroil USA Inc.** has no control. **Carteroil USA Inc.** assumes no liability for incidentals, consequential, or direct damage of any kind, regardless of causes, including negligence. For more information please visit us at www.carteroilusa.com

