



LUBRICANTS



Product Data Sheet

Gulf Super Duty Synthetic HD

Synthetic Heavy Duty Diesel Engine Oil

Full synthetic, heavy duty engine oil formulated to meet or exceed the requirements of most major manufacturers of diesel engines. It is recommended for modern turbo-charged, low emission diesel engines used in on- and off-highway equipment. Suitable for new and older diesel-powered vehicles from Class 8 tractors / trailers to heavy utility and delivery fleets. Excellent choice for most Detroit Diesel, Cummins, Mack, and Caterpillar units.

Features and Benefits

- Enhanced fuel economy
- Excellent low temperature performance provides for superior cold starting
- Outstanding high temperature protection
- Extended oil drain intervals
- Synthetic base oil for added oxidation stability

Approvals

- API CK-4/SN

Applications

- API CK-4, CJ-4, CI-4 Plus / SN
- Caterpillar ECF-3, ECF-2
- Ford WSS-M2C171-F1
- Volvo VDS-4.5, VDS-4
- Detroit Diesel 93K222, 93K218
- Mercedes Benz 228.31
- Cummins CES 20086, 20081
- ACEA E9-12
- JASO DH-2
- MAN M3575
- MTU Category 2.1
- International (Navistar) diesel engines



1-800-566-4853



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Typical Properties

SAE Grade	Test Method	5W-40
Product Code		331501
Viscosity cSt @ 40°C	ASTM D-445	94.5
Viscosity cSt @ 100°C	ASTM D-445	15.4
Viscosity Index	ASTM D-2270	173
Cold Cranking at temp °C, cP, D-5293	ASTM D-5293	5200 at -30°C
Pumping, MRV, at temp °C, cP, D-4684	ASTM D-4684	30,500 at -35°C
High Shear, HTHS, cP, D-4683	ASTM D-4683	4.05
Pour Point, °F, Typical	ASTM D-5949	-42°F
Total Base Number (TBN), D-2896	ASTM D-2896	11.0
Color	ASTM D-1500	L5.0
Sulfated Ash, mass%	ASTM D-874	1.0 max.
Flash Point, COC, °F	ASTM D-92	450°F

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