



Product Bulletin

SUPER DUTY PLUS ADVANCED HEAVY DUTY DIESEL ENGINE OIL

Gulf Super Duty Plus Diesel Engine Oil provides advanced engine protection with “*next-generation*” additive technology designed to meet modern on-highway low emission diesel engines. **Gulf Super Duty Plus** meets or exceeds the newest **API CK-4** engine oil specification and provides outstanding wear protection necessary to satisfy the performance requirements of most North American on-highway diesel trucks. **Gulf Super Duty Plus Engine Oils** will replace today’s lubricants and will be backwards compatible with previous HD diesel engine oils.

PERFORMANCE FEATURES:

Shear Stable Formulation – maintains critical film thickness over extended use promoting extended drains

Hydro-Treated Base Oil – high purity, high VI base oils provide excellent on-highway and off-highway performance

Next-Generation Technology – improved fuel economy, engine wear protection, enhanced oxidation stability

Advanced Aeration Control - passes new **Caterpillar** engine oil foam testing-proven to reduce air bubbles for improved performance in severe duty off-road equipment and hydraulic valve-train actuation.

APPLICATIONS: **Gulf Super Duty Plus** can be used with complete confidence in most naturally aspirated or turbo-charged diesel engines as well as exhaust gas recirculated (EGR) engines. It provides superior performance for agricultural equipment, construction equipment, and stationary engines. It may also be used for manual transmissions and hydraulic systems where motor oil is recommended.

OEM approvals:

- Ford WSS-M2C171-F1
- Detroit Diesel 93K222
- Mack EOS-4.5 / Volvo VDS 4.5
- This product meets Cummins® Eng. Std. CES20086

Recommended for equipment requiring:

- API Service Categories: CK-4, CJ-4, CI-4 PLUS, CI-4
- Caterpillar ECF-3, ECF-2
- Volvo VDS-4, VDS-3
- Mack EO-O, EO-M
- Caterpillar ECF-3, ECF-2
- Diesel engines manufactured by OEMs not listed above, where the OEM specifies API CK-4 or CJ-4 engine oil
- Detroit Diesel (4 Stroke) 93K218
- MTU Category 2.1 / Renault RLD-4, RLD-3
- International (Navistar) diesel engines
- ACEA E9, E7 / MB 228.31

Typical Properties

SAE Grade		10W-30	15W-40
Product Code	Test Method	331310	331307
API Service		CK-4	CK-4
API Gravity @ 60°F	ASTM D4052	32.1	31.3
Viscosity, cSt @ 40°C	ASTM D445	81.5	115.5
Viscosity, cSt @ 100°C	ASTM D445	12.0	15.5
Viscosity Index	ASTM D2270	142	141
CCS Viscosity, cP, @ Temp.	ASTM D5293	5,850 @ -25°C	4,850 @ -20°C
Pour Point, °F	ASTM D5949	-33	-28
Flash Point, COC, °F (°C)	ASTM D92	435(224)	440 (226)
TBN	ASTM D2896	10	10
Sulfated Ash, mass %	ASTM D-874	1.0	1.0

AVAILABILITY:

Gulf Super Duty Plus Diesel Engine Oils are available throughout Gulf’s marketing area. Your Gulf representative can provide specific information. Need additional information? Call Gulf @ 1-800-566-GULF(4853) or visit Nu-tierbrands.com.

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