



FLEET DIESEL ENGINE OIL

Formulated with SynGard Technology
Meets or Exceeds API and OEM Specifications



Fleet/Farm/Off-Road

REV: 02.23.2017



DESCRIPTION

Xtreme™ Fleet Diesel Engine Oil is formulated using state-of-the-art additive technology and premium base oils to provide an exceptional fleet engine oil for over-the-road, agricultural, logging and industrial engines. This product meets performance requirements for all major OEM engine manufacturers and provides a significant performance upgrade over all previous API categories.

Xtreme™ Fleet Diesel Engine Oil is approved for use with ultra low sulfur diesel (ULSD) and low sulfur diesel (LSD) fuels and for all engines equipped with exhaust gas recirculation (EGR) systems and diesel particulate filters (DPF). Approved for use in Caterpillar® engines using ACERT® technology.

Xtreme™ Fleet Diesel Engine Oil offers significant improvements in high temperature oxidation resistance, deposit control, and the ability to stay in grade over long operating intervals.

BENEFITS

- Excellent oxidation stability at high temperatures
- Improved shear stability to prevent viscosity break down
- Outstanding soot control for EGR engines
- Exceptional engine cleanliness
- Outstanding anti-wear, aeration, and friction control
- Improved fuel efficiency

APPLICATION

- Over-the-road fleets including fleets with latest EGR and DPF engines
- Municipal service and school district bus fleets
- Light and medium duty trucks with diesel engines
- Stationary engines powering pumps, generators, and drilling rigs
- Construction and farm equipment such as tractors, dozers, front end loaders, and excavators
- Logging equipment such as skidders, feller bunchers, harvesters, and loaders

PERFORMANCE

License & Approvals

- API Diesel
- Ford
- CK-4
- WSS-W2C171-F1

Performance Levels

- Mack EOS- 4.5, EO-O Premium Plus
- Cummins CES- 20086, 20081
- Detroit Diesel DFS- 93K222, 93K218
- Renault VI- RLD-4, RLD-3
- Volvo VDS- 4.5, 4
- CAT ECF-3
- ACEA E9-12, E7-12
- MAN 3575, 3275
- MB 228.31
- JASO DH-2

TYPICAL PROPERTIES	METHOD	10W-30 CK-4	10W-30 CK-4
Specific Gravity	D-4052	0.8688	0.8708
Viscosity, cSt at 40°C	D-445	81.6	115.4
Viscosity, cSt at 100°C	D-445	11.9	15.4
Viscosity Index	D-2270	139	140
MRV-TP1 Pumping Viscosity	D-2983	20,400 @ -30°C	18,400 @ -25°C
Cold Crank Simulation	D-5293	5,500 @ -25°C	5,130 @ -20°C
Ash, % Sulphated	D-874	1.0 max	1.0 max
TBN	D-2896	10.1	10.1
Pour Point, °C (°F)	D-97	-36 (-33)	-32 (-26)
Flash Point, COC °C (°F)	D-92	241 (466)	241 (466)
NOACK Volatility, wt. %	D-5800	10.0	8.0
ML Reference No.		588220	585740



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NOTE:

The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice. For additional qualifications, please contact Martin Technical Service Department.

This engine oil's service level is in accordance with the latest version of SAE J300 Engine Oil Viscosity Classification and SAE J183 Engine Oil Performance and Engine Service Classification.

Health And Safety Information See separate Safety Data Sheets available on request.

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