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Gulf Supreme Duty XLE 10W-30

Extra High Performance Diesel Engine Oil for Low Emission Engines

Product Description:

Gulf Supreme Duty XLE 10W-30 is an extra high performance diesel engine oil specially developed for use in modern, high-output, low emission engines meeting Euro IV & V & US 2007 on-highway exhaust emission standards. **Gulf Supreme Duty XLE 10W-30** not only addresses the unique needs of these new engines and enhances the life of exhaust after treatment devices but also provides improved protection to older engines and is formulated with state-of-the-art additive technology and severely hydro processed base oils to provide outstanding performance and overall protection. **Gulf Supreme Duty XLE 10W-30** exceeds the performance requirements of API CJ-4/SM service categories and is approved by major global OEMs like Volvo, Mack, Cummins, etc.

Gulf Supreme Duty XLE 10W-30 has outstanding thermal and oxidative stability that reduces low-temperature sludge build-up, high-temperature deposits and oil thickening. Excellent soot handling capability minimises soot related viscosity increase and leads to longer engine/oil life. Outstanding corrosive and abrasive wear protection extends life of engine components and superior shear stability maintains viscosity in severe high-temperature service and leads to improved wear protection. Exceptional TBN retention resists harmful effects of corrosive exhaust gases and extends oil life and low ash content reduces particulate build-up in Diesel Particulate Filter (DPF) and enhances its life.

Gulf Supreme Duty XLE 10W-30 is applicable for the latest high performance low emission engines including those equipped with DPFs and Exhaust Gas Recirculation (EGR) and meeting Euro IV & V & US 2007 on-highway exhaust emission standards. Also applicable for on-highway vehicles and off-highway equipments operating in severe low speed/heavy load conditions using ultra low (15 ppm) sulphur fuels and for high performance gasoline engines and mixed fleet operations requiring oils meeting API CJ-4/SM performance levels.

Meets the specifications of:

ACEA E9/E7, Caterpillar ECF-3/ECF-2/ECF-1a, MTU Category 2.1

Approved by:

API CJ-4/SM, MAN M 3575, MB-Approval 228.31, Mack EO-O Premium Plus
Volvo VDS-4, Renault VI RLD-3, Cummins CES 20081

<u>Properties:</u>	<u>Test Methods:</u>	<u>Typical Values:</u>
SAE Viscosity Grade	SAE J300	10W-30
Density @ 15°C	ASTM D4052	853 kg/m ³
Kinematic Viscosity @ 40°C	ASTM D445	84 mm ² /s (cSt)
Kinematic Viscosity @ 100°C	ASTM D445	11.0 mm ² /s (cSt)
Low-Temperature Cranking Viscosity @ -25°C	ASTM D5293	<7000 mPa.s (cP)
Viscosity Index	ASTM D2270	136
Flash Point	ASTM D92	>215°C
Pour Point	ASTM D97	-36°C
Total Base Number	ASTM D2896	8.4 mgKOH/g
Sulphated Ash	ASTM D874	0.97 wt %

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