



Gulf Supreme Duty ULE

Premium heavy duty diesel engine oil for Ultra low emission engines

Product Description

Gulf Supreme Duty ULE is premium performance heavy duty diesel engine oil specially developed for use in ultra low emission engines meeting the latest US and European emission standards. This oil addresses the unique needs of the latest engines and enhances the life of exhaust after treatment devices. It is formulated with state-of-the-art additive technology and severely hydroprocessed base oils to provide excellent performance and overall protection having a potential to offer extended drain intervals. It meets the performance requirements of API CK-4 service category. It is also backward compatible for the use in older engines requiring API CJ-4 and below quality oils.

Features & Benefits

- Outstanding thermal and oxidative stability 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
- Superior shear stability maintains viscosity in severe service conditions and leads to improved wear protection.
- Exceptional TBN retention resists harmful effects of corrosive exhaust gases and extends oil life
- Low ash content reduces particulate build-up in Diesel Particulate Filter (DPF) and enhances its life.

Applications

- Latest high performance low emission heavy duty diesel engines including those equipped with DPF and Exhaust Gas Recirculation (EGR) and meeting the latest US and European emission standards.
- On-highway vehicles and off-highway equipment operating in severe low speed/heavy load conditions using either low (500 ppm) or ultra low (15 ppm) sulphur fuels.
- Suitable for the use in earlier engine models requiring API CJ-4 and below quality oils.

Specifications, Approvals & Typical Properties

Meets the following Specifications		10W-30	10W-40	15W-40
ACEA E9, API CJ-4, CES 20086, DDC 93K222		X		X
ACEA E9, API CJ-4, MB 228.31, DQC III-10 LA, MTU Type 2.1, CES 20081, DDC 93K218, Cat ECF-3,			X	
Has the following Approvals				
API CK-4		X	X	X
Volvo VDS-4.5; Mack EOS-4.5; Renault VI RLD-3		X		X
Volvo VDS-4; Mack EO-O PP; Renault VI RLD-3			X	
Typical Properties				
Test Parameters	ASTM Method	Typical Values		
Viscosity @ 100 °C, cSt	D 445	12.0	14.6	15.6
Viscosity Index	D 2270	143	154	133
Flash Point, °C	D 92	230	224	230
Pour Point, °C	D 97	-33	-39	-30
Density @ 15°C, Kg/l	D 1298	0.887	0.887	0.862
Phosphorus, %wt	D 4927	0.11	0.090	0.11
Sulphated Ash, %wt	D 874	1.0	0.99	0.96

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Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available from your nearest Gulf Distributor.

Gulf Oil International

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