



## Gulf Superfleet XLE

### Extra High Performance Diesel (XHPD) Engine Oil - Low SAPS

#### Product Description

**Gulf Superfleet XLE** oils are extra high performance semi synthetic diesel engine oils exclusively designed for the new generation, high performance, low emission engines used in severe on-highway applications. These oils are formulated using the highest quality base fluids that provide outstanding high temperature viscosity retention, low temperature fluidity, volatility control and fuel economy improvement. The latest low SAPS (Sulphated Ash, Phosphorus, Sulphur) additive chemistry used in these oils facilitates in maintaining the efficiency of the emission reduction systems such as Diesel Particulate Filter (DPF), which is used by some vehicle manufacturers to meet Euro 4, Euro 5 and forthcoming Euro 6 emission requirements. Gulf Superfleet XLE series are also suitable for application in HD gas engines.

#### Features & Benefits

- Excellent thermo-oxidative stability provides protection against high temperature deposits, sludge build-up and oil thickening
- Superior shear stability reduces viscosity breakdown and oil consumption
- Excellent low temperature fluidity enables easy pumpability and circulation at low ambient temperatures and therefore enables wear protection at start-up
- The advanced low SAPS additive technology protects after treatment devices from deposits and deterioration of catalysts
- Excellent antiwear property and high temperature-high shear viscosity provide protection against engine wear & bore polishing facilitating extended engine life

#### Applications

- Recommended for highly rated diesel engines meeting Euro 4, Euro 5, Euro 6 and earlier emission norms and running under very severe conditions like extended drain intervals
- Suitable for EGR engines with or without particulate filters and for engines fitted with SCR NO<sub>x</sub> reduction systems
- Strongly recommended for engines fitted with particulate filters and is designed for vehicles running on low sulphur diesel fuel (Max. 50 ppm)
- Suitable for application in HD gas engines

#### Specifications, Approvals & Typical Properties

Meets the following Specifications	10W-30	10W-40	
ACEA E6, E7; API CI-4	X	X	
Deutz DQC III-05; MAN M 3277 CRT™	X	X	
Has the following Approvals			
MB-Approval 228.51	X	X	
Volvo VDS-3; Renault VI RLD-2 Compliance; Mack EO-N	X	X	
MAN M 3477; M 3271-1, MTU Oil Category 3.1	X	X	
Typical Properties			
Test Parameters	ASTM Method	Typical Values	
Viscosity @ 100 °C, cSt	D 445	12.1	14.0
Viscosity Index	D 2270	145	153
Flash Point, °C	D 92	232	226
Pour Point, °C	D 97	-39	-33
TBN, mg KOH/g	D 2896	10	9.8
Density @ 15°C, Kg/l	D 1298	0.863	0.848
Sulphated Ash, wt%	D 874	0.90	0.99
Phosphorus, wt%	D 4047/ICP	0.074	0.078
Sulphur, wt%	D 129/ICP	0.232	0.23

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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.

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