



# Gulf Superfleet Professional Long Drain

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

### Product Description

**Gulf Superfleet Professional Long Drain** is an extra high performance semi-synthetic diesel engine oil exclusively designed for the new generation, high performance, low emission engines used in severe on-highway applications. This oil is 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 this oil 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. This product is 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 properties 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 NOx 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-40
ACEA E6, E7, E8, E9, E11, API CI-4, DTFR 15C110 (MB 228.51)		X
JASO DH-2, Cummins CES 20076/77, MAN M3477/M3271-1		X
MTU Oil Category 3.1, Cat ECF-1a, IVECO 18-1804 TLS E6		X
DEUTZ DQC IV-18 LA/DQC TTCD, DAF Extended Drain		X
Has the following Approvals		
Volvo VDS-3, Mack EO-N, Renault VI RLD-2 approval		X
Typical Properties		
Test Parameters	ASTM Method	Typical Values
Viscosity @ 100 °C, cSt	D 445	15.0
Viscosity Index	D 2270	155
Flash Point, °C	D 92	232
Pour Point, °C	D 97	-36
TBN, mg KOH/g	D 2896	10.2
Density @ 15°C, Kg/l	D 1298	0.864
Sulphated Ash, wt%	D 874	1.0

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Properties mentioned are typical only and minor variations, which do not affect product performance, are expected to arise in normal manufacturing processes. Please follow equipment manufacturer's recommendations for performance level and viscosity grade. The Safety Data Sheet for this product is available from your nearest Gulf Distributor. Please consult our local representative if any further information is required.

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