



# Gulf Superfleet FE

## Premium Heavy Duty Diesel Engine Oil

### for Fuel Economy

#### Product Description

**Gulf Superfleet FE** is premium fully synthetic Low SAPS (Sulfated Ash, Phosphorous & Sulfur) diesel engine oil for fuel economy. It is specially formulated to meet Green House Gases emission standards. It is formulated with state-of-the-art additive technology and severely hydro-cracked base stocks to provide excellent performance in terms of protection against oil oxidation, viscosity loss due to shear, oil aeration and enhanced fuel economy benefits besides providing the overall protection of advanced after treatment devices with a potential to offer extended drain intervals. It meets the latest performance requirements of API FA-4 service category and MB 228.61 of Daimler.

#### Features & Benefits

- This low HTHS oil with its specially selected technology and formulation it has potential to provide fuel economy benefits as compared to conventional SAE 10W-30 oils.
- 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 formulation reduces deposit built up and helps in protecting After Treatment systems.

#### Applications

- Latest On-highway vehicles using 2017 model engines operating in severe conditions using ultra low sulfur (15 ppm) fuels where API FA-4 quality oils are recommended.
- Suitable for use in vehicles where oil with MB 228.61 approval is recommended

**Note:** This oil is not suitable for diesel engines where engine manufacturers recommend other than API FA-4 Engine oils

#### Specifications, Approvals & Typical Properties

Meets the following Specifications		5W-30
Daimler 15C130, Cummins CES 20087, DDC DFS 93K223		X
Has the following approvals		
API FA-4		X
Typical Properties		
Test Parameters	ASTM Method	
Viscosity @ 100 °C, cSt	D 445	9.8
Viscosity Index	D 2270	153
Flash Point, °C	D 92	225
Pour Point, °C	D 97	-33
Density @ 15°C, Kg/l	D 1298	0.851
Phosphorus, %wt	D 4927	0.074
Sulphated Ash, %wt	D 874	0.9

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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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