



# Gulf Superfleet EFE

## Synthetic Fuel Economy Heavy Duty

### Engine Oil

#### Product Description

**Gulf Superfleet EFE** is an "Extra Fuel Economy" synthetic heavy duty diesel engine oil specially developed for latest generation diesel engines equipped with after treatment systems such as Diesel Particulate filter (DPF). The latest low SAPS (Sulphated Ash, Phosphorus, Sulphur) additive chemistry used in this oil facilitates in maintaining the efficiency and extending life of the emission reduction system (DPF). Low High Temperature High Shear (HTHS) viscosity has been particularly developed to optimise fuel economy without sacrificing engine protection. This oil is formulated using the most advanced additive technology and synthetic base fluids to provide outstanding high temperature viscosity retention, low temperature fluidity, cleaner engines and volatility control.

#### Features & Benefits

- Low HTHS formulation with special additives helps in improving and retaining fuel economy as compared to conventional oils
- Low Ash technology aids in improvement of efficiency and longevity of Diesel Particulate Filters (DPF)
- The latest additive technology having excellent detergent, anti-oxidant and anti-corrosion properties helps in reaching extended oil drain intervals and reducing maintenance cost
- Stable, stay-in-grade oil provides excellent control of piston cleanliness, wear, soot handling and lubricant stability
- High TBN level prevents corrosive wear of engine parts by neutralizing acids

#### Applications

- Recommended for use in MAN commercial vehicle engines requiring Euro VI-d emission standards
- Recommended for new generation MAN trucks and buses requiring MAN M 3977 approved oil
- Recommended for engines requiring oils meeting Scania LDF-5 specification
- Suitable for modern heavy-duty engines with a Diesel Particulate Filter (DPF) in accordance with the owner's manual

Note: This oil is not suitable for diesel engines where engine manufacturers has not recommend SAE 5W-20 grade engine oil

#### Specifications, Approvals & Typical Properties

Meets the following Specifications	5W-20	
Scania LDF-5	X	
Has the following Approvals		
MAN Standard M 3977	X	
Typical Properties		
Test Parameters	ASTM Method	Typical Values
Viscosity @ 100 °C, cSt	D 445	7.9
Viscosity Index	D 2270	144
Flash Point, °C	D 92	226
Pour Point, °C	D 97	-42
TBN, mg KOH/g	D 2896	13.4
Density @ 15°C, Kg/l	D 1298	0.853
Sulphated Ash, wt%	D 874	0.96

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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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