



# Gulf Super Duty ULE

## Premium heavy duty diesel engine oil for Ultra low emission engine

### Product Description

**Gulf Super 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 life of exhaust after treatment devices. It is formulated with latest additive technology and hydro-processed 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 level 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 duty load conditions using either low (500 ppm) or Ultra low (15ppm) 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		15W-40
ACEA E9-16, API CJ-4, CES 20086, DDC 93K222		X
DTFR 15C100 (previously known as MB 228.31), DQC III-10 LA, MTU Type 2.1, Cat ECF-3		X
Has the following Approvals		
API CK-4		X
Typical Properties		
Test Parameters	ASTM Method	Typical Values
Viscosity @ 100 °C, cSt	D 445	14.7
Viscosity Index	D 2270	141
Flash Point, °C	D 92	228
Pour Point, °C	D 97	-36
Density @ 15°C, Kg/l	D 1298	0.865
Phosphorus, %wt	D 4927	0.11
Sulphated Ash, %wt	D 874	0.99

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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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