



## Gulf Super Duty VLE Commercial Vehicle Engine Oil

### Product Description

**Gulf Super Duty VLE** is super high performance diesel engine oil for use in all modern low emission, turbocharged & naturally aspirated diesel engines. It is blended from selected base stocks and advanced additives to provide utmost engine protection and extended oil drain intervals. The product has been specifically developed to meet the requirements of engines conforming to Euro 3 and Euro 2 emission norms and also meets the stringent requirements of Volvo and other major global engine manufacturers.

### Features & Benefits

- Excellent thermo-oxidative stability controls deposits & viscosity increase facilitating longer drain intervals
- Advanced detergency reduces deposits and enhances engine cleanliness
- Better soot handling capability leads to control of soot induced oil thickening and wear
- Exceptional anti wear properties protect critical engine components resulting in extended engine life and reduced maintenance costs

### Applications

- Turbocharged and naturally aspirated low emission diesel engines of all major global engine manufacturers
- On-highway light and heavy duty trucking including high speed-high load service and short haul pick-up/delivery van
- Heavy duty diesel engines used in mining, construction, agriculture and other off-highway applications

### Specifications, Approvals & Typical Properties

Meets the following Specifications		15W-40
API CI-4, CH-4, CG-4, CF, SL, SJ		X
ACEA E7, E3, A3/B3, A3/B4		X
Volvo VDS-3, Global DHD-1, Caterpillar ECF-1a, Allison C-4		X
MTU Oil Category 2, Renault Trucks RLD, Mack EO-M Plus, Cummins CES 20076, 20077		X
Has the following Approvals		
API CI-4, CH-4/ SL		X
MAN M 3275, MB-Approval 228.3		X
Volvo VDS-3		X
Typical Properties		
Test Parameters	ASTM Method	Typical Values
Viscosity at 100 °C, cSt	D 445	14.50
Viscosity Index	D 2270	135
Flash Point, °C	D 92	230
Pour Point, °C	D 97	-27
TBN, mg KOH/g	D 2896	10.20
Density @ 15°C, Kg/l	D 1298	0.875
Sulphated Ash, %wt	D 874	1.30

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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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