



## 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		10W-40	15W-40
API CI-4, SL		X	X
ACEA E7		X	X
Voith Retarder Fluid – Class A and B		X	
Volvo VDS-3; Renault VI RLD-2; Mack EO-M Plus; MB 228.3; MAN M 3275		X	X
Caterpillar ECF-2/ ECF-1a; Deutz DQC III-05; Global DHD-1		X	
MTU Oil Category 2; Cummins CES 20076, 20077, 20078		X	X
Has the following Approvals			
API CI-4/SL			X
MB-Approval 228.3			X
MAN M 3275; Cummins CES 20076, 20077, 20078			X
Volvo VDS-3; Renault VI RLD-2; Mack EO-N			X
Typical Properties			
Test Parameters	ASTM Method	Typical Values	
Viscosity at 100 °C, cSt	D 445	14.0	13.9
Viscosity Index	D 2270	153	132
Flash Point, °C	D 92	228	237
Pour Point, °C	D 97	-42	-42
TBN, mg KOH/g	D 2896	10.4	10.3
Density @ 15°C, Kg/l	D 1298	0.884	0.895
Sulphated Ash, %wt	D 874	1.37	1.42

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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.

Gulf Oil International

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