



## Gulf Superfleet Supreme Commercial Vehicle Engine Oil

### Product Description

**Gulf Superfleet Supreme** is extra high performance heavy-duty diesel engine oil specifically developed for use in modern, low emission diesel engines, including those fitted with Exhaust Gas Re-circulation (EGR) systems. This product meets the latest requirements of all major European, American and Japanese engine manufacturers and offers exceptional protection and extended life to diesel engines operating on low or high Sulphur diesel. It is blended from selected base stocks and new generation performance additives and is available in four different viscometrics, SAE 10W-30 & SAE 10W-40 (semi-synthetic), SAE 15W-40, SAE 20W-50.

### Features & Benefits

- Outstanding thermo-oxidative stability reduces deposits and oil thickening
- Excellent soot handling capability protects against soot induced viscosity increase and wear
- High shear stability ensures viscosity control at elevated temperatures and reduces oil consumption and wear
- Superior protection against corrosive wear helps in sustaining engine durability
- Excellent TBN retention helps in countering harmful effects of corrosive exhaust gases and extending oil life

### Applications

- Turbocharged and naturally aspirated diesel engines used in on-highway applications including those fitted with EGR systems and meeting US 2004 emission norms introduced in 2002
- Also suitable for Euro 4 vehicles that do not require low SAPS (Sulphated Ash, Phosphorous, Sulphur) oils (not fitted with Diesel Particulate Filters) and also in vehicles meeting Euro 3 and earlier emission norms
- Heavy duty diesel engines used in mining, construction, agriculture & other off-highway applications

### Specifications, Approvals & Typical Properties

Meets the following Specifications		10W-30	10W-40	15W-40	20W-50
API CI-4; ACEA E7; Global DHD-1			X	X	
API CH-4, CG-4, CF-4, SL				X	
API CI-4, CH-4, SL, Cummins CES 20078					X
Cummins CES 20071, 20072, 20076 ; Deutz DQC III				X	
Mack EO-M Plus ; Cummins CES 20077, 20078 ; Cat ECF-1a			X	X	
Has the following Approvals					
API CI-4/SL		X		X	
API CI-4		X	X		X
Cummins CES 20076, 20077, 20078				X	
Cummins CES 20077, 20078			X		
MB-Approval 228.3; Volvo VDS-3; Mack EO-N; Renault RLD-2; MAN M 3275; MTU Oil Category 2			X	X	
Typical Properties					
Test Parameters	ASTM Method	Typical Values			
Viscosity @ 100 °C, cSt	D 445	12.2	14.50	14.50	18.5
Viscosity Index	D 2270	144	150	135	123
Flash Point, °C	D 92	213	225	230	222
Pour Point, °C	D 97	-33	-39	-27	-27
TBN, mg KOH/g	D 2896	10.0	11.0	11.0	10.2
Density @ 15°C, Kg/l	D 1298	0.88	0.88	0.89	0.89
Sulphated Ash, wt%	D 874	1.49	1.45	1.45	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.

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