



Gulf Superfleet Universal 10W40

HEAVY DUTY DIESEL ENGINE OIL

Product Description

Gulf Superfleet Universal 10W-40 is a “low SAPS” synthetic premium heavy duty diesel and gas engine oil specially developed for Euro VI engines equipped with after treatment systems such as Diesel Particulate filter (DPF). 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. The latest low SAPS (Sulphated Ash, Phosphorus, Sulphur) additive chemistry used in this oil facilitates in maintaining the efficiency of the emission reduction systems (DPF). This oil is designed by keeping in view the wide range of ACEA specifications (ACEA E6/E4/E9/E7), API CJ-4 and various OEM requirements for use in a fleet having different makes of engines with and without DPF requiring extended drain oils.

Features & Benefits

- The latest additive technology having excellent detergent, anti-oxidant and anti-corrosion properties helps in reaching extended oil drain intervals and reducing maintenance cost.
- The advanced low SAPS additive technology protects after treatment devices from deposits and prevents clogging of DPF.
- The exceptional detergent, dispersant and anti-wear properties keep engine clean and protects engine parts.
- Excellent piston cleanliness performance provides protection against bore polishing & cylinder wear.
- High TBN level (13 mg KOH/gm) prevents corrosive wear of engine parts by neutralizing acids.
- Superior shear stability helps in maintaining viscosity even at higher loads and controls oil consumption.

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-40
ACEA E6/E9/E4/E7, API CJ-4, MTU Oil Category 3.1, Deutz DQC IV-10 LA	X
MAN M 3477 / M 3575 / M 3271-1, Scania LA, Voith Class B	X
Cummins CES 20081, MB 228.51, MB 235.28, DDC 93K218, CAT ECF-3, JASO DH-2	X
Has the following Approvals	
Volvo VDS-4, Mack EO-O Premium Plus, Renault VI RLD-3 approval	X
MAN M 3477, M 3575, M 3271-1, MB-Approval 228.51, DDC DFS93K218	X

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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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Test Parameters	ASTM Method	Typical Values
Viscosity @ 100 C, cSt	D 445	14.0
Viscosity Index	D 2270	155
Flash Point, C	D 92	236
Pour Point, C	D 97	-30
TBN, mg KOH/g	D 2896	13
Density @ 15C, Kg/l	D 1298	0.870
Sulphated Ash, wt%	D 874	0.95