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# Gulf Superfleet Supreme 10W-40

*Semi-Synthetic Extra High Performance Heavy Duty Diesel Engine Oil*

## Product Description:

**Gulf Superfleet Supreme 10W-40** is an extra high performance semi-synthetic 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 and 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 and is blended from selected base stocks and a new generation performance additives.

**Gulf Superfleet Supreme 10W-40** has outstanding thermo-oxidative stability that reduces deposits and prevents oil thickening. The excellent soot handling capability protects against soot induced viscosity increase and wear and 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 and excellent TBN retention helps in countering harmful effects of corrosive exhaust gases and extending oil life.

**Gulf Superfleet Supreme 10W-40** is suited for 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 and also suitable for Euro IV vehicles that do not require low SAPS (Sulphated Ash, Phosphorous, Sulphur) oils and also in vehicles meeting Euro III and earlier emission norms and for heavy duty diesel engines used in mining, construction, agriculture & other off-highway applications. **Gulf Superfleet Supreme 10W-40** is suitable for engines without particulate filters, and for most EGR engines and most engines fitted with SCR NO<sub>x</sub> reduction systems. For mixed fleet applications & gasoline engines, SAE 15W-40 oil is recommended. Recommendations may differ between engine manufacturers so Driver Manuals and/or Dealers shall be consulted if in doubt.

## Meets the specifications of:

ACEA E7, Global DHD-1, Mack EO-M Plus, Caterpillar ECF-1a

## Approved by:

API CI-4, MB-Approval 228.3, MAN M 3275, Volvo VDS-3, Renault Trucks RLD-2  
Cummins CES: 20077/20078, MTU Oil Category 2

<u>Properties:</u>	<u>Test Methods:</u>	<u>Typical Values:</u>
SAE Viscosity Grade	SAE J300	10W-40
Density @ 15°C	ASTM D4052	872 kg/m <sup>3</sup>
Kinematic Viscosity @ 40°C	ASTM D445	95 mm <sup>2</sup> /s (cSt)
Kinematic Viscosity @ 100°C	ASTM D445	14.0 mm <sup>2</sup> /s (cSt)
Low Temperature Cranking Viscosity @ -25°C	ASTM D5293	<7000 mPa.s (cP)
Viscosity Index	ASTM D2270	>135
Flash Point	ASTM D92	>220°C
Pour Point	ASTM D97	<-30°C
Total Base Number	ASTM D2896	10.1 mgKOH/g
Sulphated Ash	ASTM D874	1.47 wt %
Product Code: 1535	Date Issued: 18/06/2012	Date Superseded: 23/05/2012
		Revision nr: 05