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# Gulf Superfleet Supreme 15W-40

*Extra High Performance Heavy Duty Diesel Engine Oil*

## Product Description:

**Gulf Superfleet Supreme 15W-40** is an extra high performance heavy-duty diesel engine oil specifically developed for use in modern, low emission diesel engines, including those fitted with Exhaust Gas Recirculation (EGR) systems. **Gulf Superfleet Supreme 15W-40** 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 15W-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 15W-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(not fitted with Diesel Particulate Filters) and also in vehicles meeting Euro III and earlier emission norms. Also suited for heavy duty diesel engines used in mining, construction, agriculture & other off-highway applications. **Gulf Superfleet Supreme 15W-40** is suitable for mixed fleet applications and gasoline engines.

Recommendations may differ between engine manufacturers so Driver Manuals and/or Dealers shall be consulted if in doubt.

### Meets the specifications of:

ACEA E7, A3/B4, Global DHD-1, MB 229.1, Mack EO-M Plus, Renault Trucks RLD-2  
Cummins CES 20071/20072/20076/20077/20078, Caterpillar ECF-1a, Deutz DQC III

### Approved by:

API CI-4/SL, MB-Approval 228.3, MAN M 3275, MTU Type 2, Volvo VDS-3

<u>Properties:</u>	<u>Test Methods:</u>	<u>Typical Values:</u>
SAE Viscosity Grade	SAE J300	15W-40
Density @ 15°C	ASTM D4052	881 kg/m <sup>3</sup>
Kinematic Viscosity @ 40°C	ASTM D445	106 mm <sup>2</sup> /s (cSt)
Kinematic Viscosity @ 100°C	ASTM D445	14.3 mm <sup>2</sup> /s (cSt)
Low-Temperature Cranking Viscosity @ -20°C	ASTM D5293	<7000 mPa.s (cP)
Viscosity Index	ASTM D2270	140
Flash Point	ASTM D92	>215°C
Pour Point	ASTM D97	<-24°C
Total Base Number	ASTM D2896	10.5 mgKOH/g
Sulphated Ash	ASTM D874	1.52 wt %

Product Code: 1540	Date Issued: 18/10/2012	Date Superseded: 08/06/2012	Revision nr: 06
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