PRODUCT DATA SHEET

GulfSea Powerfleet Plus

Multigrade Marine Oil specially formulated for highly turbo-charged diesel engines, and particularly suitable for fast speed engines in extreme weather conditions

Product Description

GulfSea Powerfleet Plus 10W-40 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 in on-highway, off-highway and marine applications. 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 to provide outstanding engine protection and opportunity to extend oil drain interval.

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 BN 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 and marine applications.

Due to continual product research and development, the information contain herein is subject to change without notification.
Typical Properties may vary slightly

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Typical Properties

GulfSea Powerfleet Plus 10W-40		
Meets the following Specifications		
API CI-4/SL, ACEA E7, Global DHD-1		
Mack EO-N, DTFR 15B110 (MB 228.3)		
MAN M 3275, Cummins 20077, 20078		
Volvo VDS-3, Renault Trucks RLD-2		
Caterpillar ECF-1a		
MTU Oil Category 2		
Typical Properties		
Test Parameters	**ASTM Method**	**Typical Values**
Viscosity @ 100 ^{0}C, cSt	D 445	14.4
Viscosity Index	D 2270	156
Flash Point, ^{0}C	D 92	228
Pour Point, ^{0}C	D 97	-39
BN, mg KOH/g	D 2896	10.6
Density @ 15 ^{0}C, Kg/l	D 1298	0.887
Sulphated Ash, wt%	D 874	1.4

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