



PRODUCT DATA SHEET

GulfSea Powerfleet

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 is super high performance diesel engine oil for use in all modern low emission, turbocharged & naturally aspirated diesel engines. It is blended from selected base stocks and advanced additives to provide utmost engine protection and extended oil drain intervals. The product has been specifically developed to meet the requirements of engines conforming to Euro V emission norms and also meets the stringent requirements of major global engine manufacturers.

Features & Benefits

- Excellent thermo-oxidative stability controls deposits & viscosity facilitating longer drain intervals.
- Advanced detergency reduces deposits and enhances engine cleanliness.
- Better soot handling capability leads to control of soot induced oil thickening and wear.
- Exceptional anti wear properties protect critical engine components resulting in extended engine life and reduced maintenance costs.

Applications

- Turbocharged and naturally aspirated low emission diesel engines of all major OEMs including Cummins, Caterpillar and MTU.
- Recommended for highly rated diesel engines meeting Euro I, Euro II, Euro III, Euro IV and Euro V emission requirements and running under severe conditions.
- Suitable for engines without particulate filters, and for most EGR engines, and most engines fitted with SCR NOx reduction systems
- Heavy duty diesel engines in marine application, mining, construction, agriculture and other off-highway applications.
- On-highway light and heavy duty trucking including high speed-high load service and short haul pick-up/delivery van.



Marine

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Typical Properties

GulfSea Powerfleet 10W-30		
Meets the following Specifications		
API CI-4/ SL, ACEA E7		X
MTU Type 2		X
Caterpillar ECF-1a		X
Cummins CES 20077, 20078		X
MAN M3275, DTFR 15B110 (MB 228.3), Volvo VDS-3		X
Typical Properties		
Test Parameters	ASTM Method	Typical Values
Viscosity @ 100 °C, cSt	D 445	11.8
Viscosity Index	D 2270	145
Flash Point, °C	D 92	212
Pour Point, °C	D 97	-36
BN, mg KOH/g	D 2896	10.3
Density @ 15 °C, Kg/l	D 1298	0.873
Sulphated Ash, wt%	D 874	1.4

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