



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 3 and Euro 2 emission norms and also meets the stringent requirements of other 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 manufacturers.
- SAE 10W-30 meets ACEA E5-99 and API CH-4 engine test performance requirements as specified in Ford WSS-M2C921-A specification and recommended for use in LCVs – transit/ panel vans, mini buses and pick-up trucks – of major OEMs including Ford where such quality oils are recommended.
- On-highway light and heavy duty trucking including high speed-high load service and short haul pick-up/delivery van.
- Heavy duty diesel engines in marine application, mining, construction, agriculture and other off-highway applications.



Marine

PRODUCT DATA SHEET

Typical Properties

GulfSea Powerfleet		10W30	15W40
Meets the following Specifications			
API CH-4, CH-4/SL, CG-4, CF, SL, SJ, ACEA E5, A3/B3, A4/B4			X
API CH-4, CG-4, CF-4, CF, ACEA E7, E5, B3		X	
Daimler MB 228.3, TEDOM 258-3, Global DHD-1, Allison C-4			X
Daimler MB 228.3, RVI RD, RD-2, CES 20071, 20072, 20078		X	
MTU Oil Category 2, Renault Trucks RLD			X
ACEA E3		X	X
Volvo VDS-2, Caterpillar ECF-1a		X	X
Mack EO-M Plus, Cummins CES 20076, 20077, MAN M 3275		X	X
Typical Properties			
Test Parameters	ASTM Method	Typical Values	
Viscosity @ 100 °C, cSt	D 445	11.1	14.5
Viscosity Index	D 2270	145	135
Flash Point, °C	D 92	212	230
Pour Point, °C	D 97	-36	-27
BN, mg KOH/g	D 2896	12.1	10.2
Density @ 15 °C, Kg/l	D 1298	0.857	0.875
Sulphated Ash, wt%	D 874	1.5	1.3

July 2014