



PRODUCT DATA SHEET

GulfSea Power MX

Premium Quality Marine Engine Oil

Product Description

GulfSea Power MX 15W-40 is premium quality marine engine oil developed to meet the performance requirements of modern turbocharged and naturally aspirated marine diesel engines operating on distillate diesel fuel under severe conditions. It is blended from highly refined base stocks and new generation additives to provide excellent detergency, dispersancy and antiwear protection with effective acid neutralization capability. It offers exceptional protection and extended life to low emission diesel engines including those fitted with Exhaust Gas Recirculation (EGR) systems. The product meets the requirements of most of the high speed marine diesel engines.

Features & Benefits

- Excellent thermo-oxidative stability reduces deposits, sludge and oil thickening.
- Excellent soot handling capability protects against oil thickening and wear.
- High shear stability ensures viscosity control at elevated temperatures and reduces oil consumption and wear.
- Advanced detergency reduces deposits, keeps engine clean and provides added protection against bore polishing.
- Excellent BN retention capacity protects engine against corrosive wear by neutralising the acids.

Applications

- Modern turbocharged and naturally aspirated 4-stroke medium and high speed marine diesel engines requiring oils meeting the specifications given in the table below.
- Rescue boats, lifeboats, fishing trawlers and coastal vessels.
- Turbocharged and naturally aspirated diesel engines used in on-highway and off-highway applications (mining, construction, agriculture) including those fitted with EGR systems and meeting US 2004 emission norms introduced in 2002 requiring oils meeting specifications given below.
- General ship applications requiring oils meeting the above mentioned specifications.
- High performance gasoline engines and mixed fleet operations requiring oils meeting API CI-4, CH-4 and SL performance levels.



Marine

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Typical Properties

GulfSea Power MX 15W-40		
Meets the following Specifications		
API CI-4/CH-4/SL		
ACEA E7, Daimler Chrysler MB 228.3,		
MTU Type 2, Caterpillar ECF-2/ ECF-1A, Cummins CES 20078,		
MAN M3275-1, Volvo VDS-3,		
Mack EO-N, Detroit Diesel 93K215		
Typical Properties		
Test Parameters	ASTM Method	Typical Values
Viscosity @ 100 °C, cSt	D 445	15.2
Viscosity Index	D 2270	137
Flash Point, °C	D 92	236
Pour Point, °C	D 97	-39
BN, mg KOH/g	D 2896	10.0
Density @ 15 °C, Kg/l	D 1298	0.875
Sulphated Ash, wt%	D 874	1.23

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