



www.generalpetroleum.de

Product Data Sheet (PDS)



GP MARGEN MARINE MDO (TPEO SERIES)

Published By: Quality

Control Department of
General Petroleum GmbH
Frankfurt, Germany

Last Update Date:

1/8/2023

GP MARGEN MARINE MDO (TPEO SERIES)



GP MARGEN MDO Trunk piston engine oil for medium speed diesel engines operating on distillate fuel, Very Low Sulphur Fuel (VLSFO)

Product Description:

GP MARGEN MDO series are trunk piston engine oil designed for use in medium speed diesel engines operating on distillate fuels and Very Low Sulphur Fuels (VLSFO) having sulphur contents <0.5 %. The modern additive technology used in this oil provides superior engine cleanliness & protection. This oil is available in SAE 30 & SAE 40 viscosity grades with a BN (Base Number) of 12 to 20. These oils exhibit a high degree of water tolerance and meet the performance requirements of API CF.

Features & Benefits:

- Superior detergency ensures piston and crankcase cleanliness.
- Improved anti-wear property minimises engine wear and reduces maintenance costs.
- Excellent thermo-oxidative stability retards oil degradation and controls its viscosity.
- Reserve BN ensures protection of engine parts against corrosive combustion products.
- Better demulsibility characteristics ensure water separation leading to trouble free operation.
- Special rust & corrosion inhibitors prevent corrosion of engine parts in severe salt water environment.

Applications:

- Recommended for medium speed engines used in marine, power generation and industrial applications operating on distillate fuel, Very Low Sulphur Fuel (VLSFO) having sulphur contents <0.5% and Ultra Low Sulphur Fuel (ULSFO) having Sulphur content less than 0.1%. This product is also suitable for older engines where liner-lacquer is not a potential problem.
- Oils of appropriate BN to be chosen based on the sulphur content of fuel used. Follow manufacturers' recommendation for selection of suitable BN level/ viscosity grade.
- Also recommended for general lubrication of shipboard equipment where specialised lubricants are not required or use of API CF quality oils are adequate.

GP MARGEN MARINE MDO (TPEO SERIES)



TECHNICAL DATA:

GP MARGEN MDO SERIES		3012	4012	3015	4015	3020	4020
Typical properties	SAE GRADE	30	40	30	40	30	40
	BN	12		15		20	
API CF		X	X	X	X	X	X
Test Parameters	ASTM Method	Typical Values					
Viscosity @ 100 OC, cSt	D 445	10.9	14.6	11.12	14.6	11.12	14.6
Viscosity Index	D 2270	99	99	99	99	99	99
Flash Point, OC	D 92	>218	>218	>218	>218	>218	>218
BN, mg KOH/g	D 2896	12	12	15	15	20	20
Pour Point, OC	D 97	-18	-18	-18	-18	-18	-18
Density @ 15 OC, kg/l	D 4052	0.899	0.895	0.895	0.891	0.902	0.901

Health and Safety:

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application, following the recommendations provided in the Material Safety Data Sheet (MSDS). MSDSs are available upon request. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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

GP MARGEN MARINE MDO (TPEO SERIES)

