



Gulfmar DPO

Trunk piston engine oil for medium speed diesel engines operating on distillate fuels

Product Description

Gulfmar DPO is trunk piston engine oil designed for use in medium speed diesel engines operating on distillate fuels. 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 TBN (Total Base Number) of 12. Each grade has got a suffix of 3 digits in which the first digit indicates the SAE grade (e.g. 3 indicate SAE 30 and 4 indicate SAE 40) and the last two digits indicate the TBN. 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 minimizes engine wear and reduces maintenance costs
- Excellent thermo-oxidative stability retards oil degradation and controls its viscosity
- Reserve TBN 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 fuels having sulphur contents up to 1 %. Specially recommended for older engines where liner-lacquer is not a potential problem
- Oils of appropriate TBN to be chosen based on the sulphur content of fuel used. Follow manufacturers' recommendation for selection of suitable TBN level/ viscosity grade
- Also recommended for general lubrication of shipboard equipment where specialized lubricants are not required or use of API CF quality oils are adequate

Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available from your nearest Gulf Distributor. Gulf Oil International

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Specifications, Approvals & Typical Properties

Gulfmar DPO		312	412
Meets the following Specifications	SAE Grade	30	40
	TBN	12	
API CF		X	X
Has the following Approvals			
MWM Deutz			X
NKK Engineering Corp.			
Fuji Technical Services Pvt. Ltd			X
Typical Properties			
Test Parameters	ASTM Method	Typical Values	
Viscosity @ 100 °C, cSt	D 445	11.1	14.5
Viscosity Index	D 2270	97	96
Flash Point, °C	D 92	230	240
Pour Point, °C	D 97	-9	-9
TBN, mg KOH/g	D 2896	12	12
Density @ 15°C, Kg/l	D 1298	0.892	0.895
Sulphated Ash, %wt	D 874	1.7	1.7

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