



Gulfgen Supreme

Medium Speed Trunk Piston Marine Diesel Engine Oil for Power Gensets

Product Description

Gulfgen Supreme series are premium quality trunk piston engine oils designed for use in the modern low oil consumption medium speed marine diesel engines operating on residual fuels (Heavy Fuel Oil - HFO) in power generation and industrial applications. The advanced sludge control additive technology used in this oil meets the ever increasing demands of medium speed diesel engines and provides exceptional engine cleanliness and wear protection. This oil is available in SAE 30 & 40 viscosity grades with a BN (Base Number) ranging from 20 to 55. Each grade has got a suffix of 3 digits in which the first digit indicates the SAE grade (eg. 3 indicates SAE 30 and 4 indicates SAE 40) and the last two digits indicate the BN. These oils exhibit a high degree of water tolerance and base retention properties. **Gulfgen Supreme** has been tested by Wärtsilä and is listed by them for use in Wartsila HFO trunk piston engines.

Features & Benefits

- Exceptional detergency reduces build-up of soot & black sludge, improves tolerance for heavy fuel contaminants and keeps the engine clean
- Acidic by-products are effectively neutralized and the engine is protected from corrosive wear by the unique formulation providing the reserve alkalinity
- Better demulsibility characteristics ensure water separation leading to trouble free Operation
- Robust anti-wear technology provides protection against piston & linear wear and good gear performance leading to reduction in maintenance costs
- Improved thermo-oxidative stability retards oil degradation facilitating long periods of operation.

Applications

- Recommended for medium speed diesel engines in power generation and industrial applications operating on residual fuels.
- **Gulfgen Supreme 355 & 455** having a BN of 55 are specifically formulated for the modern low oil consuming engines fitted with 'anti polishing', 'flame' or 'fire' rings and operating on high sulphur residual fuels. These oils are also specially recommended for those engines where oil has to stay for a longer time and there is a need for less frequent top-up.
- **Gulfgen Supreme 340 & 440** with a BN of 40 are suitable for engines operating on residual fuels having sulphur content in excess of 3.5%
- **Gulfgen Supreme 330 & 430** with a BN of 30 are suitable for engines operating on residual fuels having sulphur content in excess of 2.5% and up to 3.5 %
- **Gulfgen Supreme 320 & 420** having a BN of 20 are suitable for the modern medium/high speed diesel engines operating on marine diesel or gas oil.

Specifications, Approvals & Typical Properties

Gulfgen Supreme		320	420	330	430	340	440	355	455
	SAE Grade	30	40	30	40	30	40	30	40
	Base No. (BN)	20		30		40		55	
Typical Properties									
Test Parameters	ASTM Method	Typical Values							
Viscosity at 100 °C, cSt	D 445	11.1	14.5	11.1	14.5	11.1	14.5	11.1	14.5
Viscosity at 40 °C, cSt	D 445	92.2	139.3	92.2	139.3	89.8	135.9	86.4	130.8
Viscosity Index	D 2270	97	95	97	95	97	95	97	95
BN, mg KOH/gm	D 2896	20	20	30	30	30	40	55	55
Flash Point, °C	D 92	210	220	220	230	220	230	220	230
Pour Point, °C	D 97	-18	-18	-18	-18	-18	-18	-18	-18
Density @ 15°C, kg/l	D 1298	0.906	0.908	0.912	0.914	0.918	0.92	0.928	0.929

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Properties mentioned are typical only and minor variations, which do not affect product performance, are expected to arise in normal manufacturing processes. Please follow equipment manufacturer's recommendations for performance level and viscosity grade. The Safety Data Sheet for this product is available from your nearest Gulf Distributor. Please consult our local representative if any further information is required.

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