



PRODUCT & TECHNICAL DATA

PRO TPO SERIES

MARINE TRUNK PISTON OILS FOR MEDIUM SPEED DIESEL ENGINES OPERATING ON DISTILLATE FUELS

DESCRIPTION

Pro TPO series are trunk piston engine oil designed for use in medium speed diesel engines operating on distillate fuels. Pro TPO Oils are blended from high quality mineral oils with multifunctional set of additives which offers superior engine and piston cleanliness & protection. Pro TPO Series is available in SAE 30 & SAE 40 viscosity grades with a TBN (Total Base Number) of 12 & 20. Pro TPO Series of lubricants, meets the performance requirements of API CF.

APPLICATIONS

- Recommended for medium speed engines used in marine, power generation and industrial applications operating on distillate fuels having sulphur contents up to 1.5 %. This product is also suitable 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 specialised lubricants are not required or use of API CF quality oils are adequate.

FEATURES AND ADVANTAGES

- 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 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.

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PHYSICAL CHARACTERISTICS

Appearance	Bright, Clear	Bright, Clear	Bright, Clear	Bright, Clear
SAE GRADE	30	40	30	40
TBN, mg KOH/g	12	12	20	20
Viscosity @ 100 ° cSt	11.1	14.1	11.2	14.2
Viscosity Index	97	95	98	95
Pour Point, °C	-18	-18	-18	-18
Flash Point, °C	232	240	232	242
Density @ 15°C, kg/l	0.892	0.895	0.890	0.900
Sulphated Ash, % weight	1.5	1.6	2.7	2.7

GENERAL ADVICE

Further information on all Pro Oil SA lubricants is available from any Pro Oil SA office or from:
www.prooil.co.za

These characteristics are typical of current production.
Whilst future production will conform to Pro Oil SA's specification, variations in these characteristics may occur.

Health and Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet, which can be obtained from your Pro Oil SA representative.

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