



PRODUCT & TECHNICAL DATA

PRO TP EXTRA SERIES

TRUNK PISTON DIESEL OILS FOR MODERN, MEDIUM SPEED 4-STROKE MARINE ENGINES RUNNING ON RESIDUAL FUELS (RF)

DESCRIPTION

Pro TP EXTRA is a trunk piston engine oil specifically designed for use in 4-Stroke medium speed diesel engines operating on residual fuels in marine, power generation and industrial applications. The additive technology used in this oil provides excellent engine cleanliness & wear protection under different operating conditions. Pro TP EXTRA is available in SAE 30 & 40 viscosity grades with a BN (Base Number) ranging from 30 to 40. Pro TP EXTRA has a high degree of water tolerance and has good water separation and base retention properties. These oils meet the performance requirements of API CF.

APPLICATIONS

- Pro TP EXTRA 3040 & 4040 are suitable for the engines operating on residual fuels (RF) having sulphur content in excess of 3.5%
- Pro TP EXTRA 3030 & 4030 are suitable for engines operating on residual fuels (RF) having sulphur content in excess of 2.5% and up to 3.5 %
- Pro TP EXTRA is also recommended for general lubrication of shipboard equipment where specialised lubricants are not required or uses of API CF quality oils are adequate.
- Please always refer to OEM recommendations for desired TBN values in relation to fuel sulphur contents.

FEATURES AND ADVANTAGES

- Excellent detergency reduces build-up of soot & black sludge and keeps the engine cleaner
- Acidic by-products are effectively neutralised and the engine is protected from corrosive wear
- 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 extended oil life

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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	30	30	40	40
Viscosity @ 100 ° cSt	11.1	14.2	11.3	14.3
Viscosity Index	97	95	96	96
Pour Point, °C	-18	-18	-18	-18
Flash Point, °C	228	244	234	246
Density @ 15°C, kg/l	0.9	0.9	0.91	0.92
Sulphated Ash, % weight	3.9	3.9	5.2	5.2

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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Although all reasonable care has been taken to ensure that the information contained in this publication is accurate as at the time of printing, such information is nevertheless liable to variation in the event of changes occurring subsequent to the date of printing it: the blend formulation, methods of storage, or due to the improper handling or application of any of the products referred to, or in the requirements of any specification or approval relating to any of the products.

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