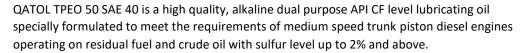




OATOL MANTA RAY TPFO 50 SAF 40

Trunk piston oil for medium speed engines.

PRODUCT DESCRIPTION:





QATOL TPEO 50 SAE 40 provides the necessary extra alkalinity to effectively neutralize acidic products of combustion when operating on heavy residual fuels or crude oils and to give a high level of detergency to keep pistons and piston rings free of deposits.

APPLICATION:

- QATOL TPEO 50 SAE 40 is blended with latest technology additive packages developed especially for use with engines burning heavy residual fuels and crude oil.
- The use of QATOL TPEO 50 SAE 40 is recommended in heavy fuel installations, especially if fuel sulfur content is above 2.0% mass.
- QATOL TPEO 50 SAE 40 Designed for use in highly rated, medium speed diesel engines used for both marine and stationary power generation.
- QATOL TPEO 50 SAE 40 used in Engines using residual heavy fuel oil with low sulfur content. It is also suitable for dual fuel 4-stroke engines.
- QATOL TPEO 50 SAE 40 can also be used to lubricate bearings, stern tubes and reduction gears.

ADVANTAGES/BENEFITS:

- The use of QATOL TPEO 50 SAE 40 will ensure engine cleanliness, resulting in longer periods between
 overhauls.
- QATOL TPEO 50 SAE 40 is fully inhibited for protection against bearing corrosion.
- QATOL TPEO 50 SAE 40 has a high level of oxidation resistance to prevent premature ageing and to give longer oil life.
- QATOL TPEO 50 SAE 40 offers optimum alkalinity in order to neutralize acidic by-products of combustion.
- QATOL TPEO 50 SAE 40 has the ability to reduce heavy deposit build-up in an engine creates savings via a reduction in maintenance costs.
- QATOL TPEO 50 SAE 40 offers excellent resistance to the negative effects of residual fuel contamination, along with excellent thermal resistance and oxidization resistance.

SPECIFICATIONS/ RECOMMENDATIONS:

- API CF
- Wärtsilä
- MWM Deutz
- MAN B&W
- YANMAR
- Rolls-Royce
- MAK (Caterpillar)

KEY PROPERTIES:

PROPERTIES	TEST METHOD	TYPICAL VALUES	UNIT
Density @ 35 °C	ASTM D 4052	0.9	g/ml
Kinematic Viscosity @ 40 °C	ASTM D 445	158	mm²/s
Kinematic Viscosity @ 100 °C	ASTM D 445	15.5	mm²/s
Viscosity Index	ASTM D 2270	99	-
TBN	ASTM D 2896	50	mg KOH/g
Flash Point, CoC	ASTM D 92	248	°C
Pour Point	ASTM D 97	-12	°C

AVAILABLE PACKAGES: 208L, 25L, 20L,

