



# MARINE TPEO 440

## Product Description:

**MARINE TPEO 440** is a high quality marine diesel engine oil, developed for high output, medium speed trunk piston diesel engines, running on distillate or light residual fuel with a sulphur content of maximum 3.5%.

**MARINE TPEO 440** is based on high quality virgin mineral base oils in combination with an unique additive package to ensure the following properties:

- Exceptional detergency reduces build-up of soot & black sludge, improves tolerance for 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.
- Superior demulsibility characteristics.
- Robust anti-wear technology provides excellent piston & linear wear control and good gear performance.
- Excellent thermo-oxidative stability retards oil degradation facilitating extended oil life.

**MARINE TPEO 440** meets the following performance criteria:

## API CF

Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	40
Density@15°C	kg/m <sup>3</sup>	ASTM D4052	908
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	137
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	14.2
Viscosity Index		ASTM D2270	102
Flash Point COC	°C	ASTM D92	>230
Pour Point	°C	ASTM D7346	-18
Total Base Number	mgKOH/g	ASTM D2896	40
Sulphated Ash	%Wt	ASTM D874	5.1

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