



S-OIL MARINE TP 12 Series

MEDIUM-SPEED TRUNK-PISTON DIESEL ENGINE OIL

Product Description

S-OIL Marine TP 12 Series are high performance Trunk Piston Engine Oil for medium speed marine and industrial type trunk piston engines operating on low Sulphur distillate fuel (Sulphur upto 1.0%). They are blended using solvent-refined high viscosity index paraffin mineral base oils with chemical additive which provide effective alkalinity, wear resistance, detergent/dispersant and water separating properties.

Applications

○ S-OIL Marine TP Series are recommended for crankcase lubrication in medium-speed marine type diesel engines. They also be used to separate bearing lubrication and piston cooling of large crosshead type engine under severe service conditions at appropriate viscosity grades.

Features and potential benefits

- Improved anti wear properties, reduces ring & liner wear
- Reduces port and under crown deposits
- Cleaner engine operation
- Increased protection against cylinder and bearing wear
- Outstanding thermal & oxidation stability extend periods between inspection & overhauling
- Controls black sludge deposits thus increasing oil filter life and reduces cleaning frequencies
- Excellent TBN retention with low oil consumption

Performance level

- SAE 30, 40

Typical Properties

Test Items	SAE Grade			SAE 30	SAE 40
		Method	Unit	TP 1230	TP 1240
Specific gravity	ASTM D1298		-	0.8816	0.8853
Viscosity	ASTM D445		cSt	98.26	128.2
	ASTM D445		cSt	11.62	13.94
Viscosity index	ASTM D2270		-	106	106
Flash point	ASTM D92		°C	254	256
Pour point	ASTM D97		°C	-20.0	-19.0
Sulfated Ash	ASTM D874		wt%	1.57	1.57
TBN	ASTM D2896			12	12

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This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet is obtainable via your commercial adviser.