

# S-OIL MARINE TP 15 Series

## MEDIUM-SPEED TRUNK-PISTON DIESEL ENGINE OIL

### Product Description

S-OIL Marine TP 15 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 1530	TP 1540	
Specific gravity	ASTM D1298	-	0.88	0.88	
Viscosity	ASTM D445	cSt	96.2	129.4	
	ASTM D445	cSt	11.5	14.0	
Viscosity index	ASTM D2270	-	107	106	
Flash point	ASTM D92	°C	250	272	
Pour point	ASTM D97	°C	-20.0	-18.0	
Sulfated Ash	ASTM D874	wt%	1.94	1.94	
TBN	ASTM D2896		15	15	