



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 | 40°C | ASTM D445 | cSt | 98.26 | 128.2 |
| | 100°C | 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 |

S-OIL CORPORATION
192, Baekbeom-ro, Mapo-gu,
Seoul, 04196, Korea

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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.