

Product Data Sheet

SERVO MARINE 1030- 2050

Trunk Piston Engine Oil



Description

Servo Marine 1030, 1040, 1050, 2030, 2040 & 2050 oils are developed to meet the requirement of modern medium-speed trunk piston engines used in Marine propulsion and Land based DG sets operating on distillate or marine diesel fuels.

They exhibit excellent detergency, better TBN retention, dispersancy characteristics and superior anti-wear protection.

Performance, Features and Benefits

- Excellent detergency and engine cleaning property
- Ensures outstanding Piston and Liner cleanliness
- Provides higher level of TBN retention
- Provides reduced Ring and Liner wear
- Separates easily from water

Application

Servo Marine oils are recommended for use in Marine propulsion engines and land based DG sets operating on distillate or marine diesel fuels.

Specifications, Approvals & Recommendations

- Servo Marine series oils meet –
 - American Petroleum Institute service classification API CF
 - Passes MWM-B engine test for high temperature deposit control
- Servo Marine oils are approved by-
 - Wartsila, Finland for Wartisla Vasa 22, 22/26 and Vasa 32 & 32 LN, Wartsila 20, 26, 32, 38, 46, 46F, 64, 20DF, 32 DF, 34 DF, 50 DF and Sulzer Z40/ZA 40/ZA 40S
 - Rolls Royce, U.K for Allen Engines
 - Ulstein Bergen, Norway
 - Kirloskar Oil engines Ltd., Pune

Typical Physical Characteristics

| Properties | Method | 1030 | 1040 | 1050 | 2030 | 2040 | 2050 |
|-----------------------------------|------------|-------|-------|-------|-------|-------|-------|
| Appearance | Visual | Clear | Clear | Clear | Clear | Clear | Clear |
| Kinematic viscosity at 100°C, cSt | ASTM D445 | 11.4 | 13.4 | 19.0 | 10.4 | 14.1 | 19.3 |
| Viscosity Index | ASTM D2270 | 102 | 101 | 99 | 103 | 101 | 99 |
| Pour Point, °C | ASTM D97 | -18 | -21 | -18 | -18 | -21 | -18 |
| Flash point COC, °C | ASTM D92 | 246 | 240 | 238 | 244 | 240 | 236 |
| Total base number, mg KOH/g | ASTM D2896 | 11.7 | 11.6 | 11.8 | 21.8 | 22.0 | 21.9 |

Health, Safety & Environment

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or at <https://cx.indianoil.in/>. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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