



PRODUCT DATA SHEET

ADNOC Marine System Oil 306

DESCRIPTION

ADNOC Marine System Oil 306 is a high quality marine system oil, formulated from high quality solvent-refined paraffin base oils and premium quality additive package. It has been developed specifically for use as system oil in modern high-output cross-head type marine diesel engines. It provides adequate lubrication for bearings and other moving parts, including cams and gears, plus effective cooling of pistons in cross-head engines even in the presence of saline water.

APPLICATIONS

ADNOC Marine System Oil 306 is recommended primarily for use in high out-put cross-head diesel engines in marine service particularly that requiring system oil for piston cooling. In these applications, it will prevent or reduce deposit formation in piston cooling spaces, maintain piston-cooling efficiency and reduce the incidence of piston crown cracking. Also it is recommended as crankcase oil in auxiliary engines.

BENEFITS

- **Reduce deposits on piston and crankcase surfaces**
- **Enhance piston-cooling efficiency**
- **Increase protection against bearing corrosion**
- **Provide improved rust protection**
- **Provide effective water tolerance and separation**

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PRODUCT TYPICAL CHARACTERISTICS

| Properties | Units | SAE | Test Methods |
|----------------------------|--------------------|-------|--------------|
| | | 30 | |
| Density @15°C | kg/L | 0.894 | ASTM D1298 |
| Kinematic Viscosity @40°C | mm ² /s | 111.0 | ASTM D445 |
| Kinematic Viscosity @100°C | mm ² /s | 11.90 | ASTM D445 |
| Viscosity Index | - | 95 | ASTM D2270 |
| Pour Point | °C | -12 | ASTM D97 |
| Flash Point, COC | °C | 235 | ASTM D92 |
| ASTM Color | - | 3.0 | ASTM D1500 |
| Base Number | mg KOH/g | 5.3 | ASTM D2896 |

Minor variations in product typical test data are to be expected in normal manufacturing.

Always follow the Original Equipment Manufacturer's recommendation (OEM) for the equipment operating conditions, product specification, drain interval and customer's maintenance practices.
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