

DESCRIPTION

HD Marine Oil 70 TBN SAE 50 is a high-performance marine cylinder oil formulated to meet the rigorous demands of modern marine engines. It is specifically designed to provide excellent alkalinity control and detergency, ensuring optimal engine cleanliness and protection against acidic combustion by-products. This cylinder oil is suitable for use in two-stroke diesel engines operating under severe conditions.

APPLICATIONS

Suitable for crosshead and trunk piston engines in marine vessels. Recommended for use in two-stroke diesel engines operating on high-sulfur, low-sulfur, or ultra-low-sulfur marine fuels.

BENEFITS

- Fortified with a robust alkaline reserve, providing exceptional neutralization capabilities and acid neutralization during combustion.
- Exhibits excellent thermal stability, minimizing deposit formation in high-temperature engine environments. This contributes to extended oil life and reduced maintenance costs.
- Superior detergency properties help prevent the build-up of carbonaceous deposits on cylinder components, ensuring efficient engine performance and minimizing the risk of scuffing.
- Includes corrosion inhibitors to safeguard engine components from corrosive elements, enhancing the longevity of critical parts.
- Compatible with a wide range of fuel types, including low-sulfur and ultra-low-sulfur marine diesel fuels, making it versatile for various marine applications.
- Provides enhanced protection against wear and scuffing in heavily loaded cylinder areas.
- Engineered to minimize soot emission, contributing to cleaner combustion and reduced environmental impact.

TYPICAL PROPERTIES

Test Parameter	Method	Typical
Specific Gravity @ 15 °C	ASTM D4052	0.898
API Gravity @ 15 °C, °	ASTM D4052	26.0
Kinematic Visc. @ 40 °C, cSt	ASTM D7042	134
Kinematic Visc. @ 100 °C, cSt	ASTM D7042	18.8
Viscosity Index	ASTM D2270	159
Flash Point, °C (°F)	ASTM D93	>161 (>321)
Pour Point, °C (°F)	ASTM D97	-21 (-6)
TBN	ASTM D2896	60 - 80

Average values. Minor variations are to be expected during normal manufacturing.