

BAHRAIN LUBRICANTS MARINE OIL POWER SAE 40 TBN 13

("Zinc and Chlorine Free" Engine Lubricant)

DESCRIPTION

BAHRAIN LUBRICANTS MARINE OIL POWER SAE 40 is a non-zinc and non-chlorine lubricant formulated with high-quality basestocks which provide low consumption characteristics, high-temperature oxidation resistance, and thermal stability. These base stocks are combined with specially selected stable additives resulting in an engine oil with well-balanced properties. BAHRAIN LUBRICANTS MARINE OIL POWER SAE 40 meets the requirements of an SAE 40 grade marine diesel engine oil and is suitable wherever API CF and/or CF-2 performance is specified and is rated an LMOA Generation 4 lubricant.

APPLICATIONS

BAHRAIN LUBRICANTS MARINE OIL POWER SAE 40 has been specifically formulated to meet requirements of heavily loaded diesel engines manufactured by EMD and used in marine applications. It is suitable for other marine diesel engines of the highest horsepower, or higher brake mean effective pressure (BMEP) using distillate fuels with a sulfur content up to 1.5 percent. It will lubricate such engines in drilling rigs and stationary power generation service as well.

PROPERTIES

BAHRAIN LUBRICANTS MARINE OIL POWER SAE 40 is produced with high-quality base stocks and selected additives. These provide the oil with excellent lubricating properties, low consumption characteristics, high-temperature oxidation resistance and thermal stability. Also suitable for other high horsepower marine diesel engines using distillate fuels with a sulphur content up to 1.5%.

PRODUCT BENEFITS

- Protects silver bearings
- Excellent detergent properties at high temperatures
- Good dispersant properties
- Protects against sludge formation
- Neutralizes acids produced in the combustion process
- High thermal and oxidation stability
- Effective anti-wear and load carrying properties
- High TBN and Outstanding TBN Retention
- Zinc and Chlorine free
- Excellent water tolerance and separation
- Controls carbon deposits and varnish formation, extending oil and filter life

RECOMMENDATIONS / SPECIFICATIONS

Meets or exceeds the quality requirements of the engines manufactured by Alco, Detroit Diesel (API CF-2) and Fairbanks Morse.

TYPICAL TECHNICAL PROPERTIES

SAE Viscosity Grade	40
Product code	12692ML
Density at 15 ^o C, g/ml, ASTM D4052	0.897
Kinematic Viscosity at 40 ^o C, mm ² /s, ASTM D445	139
Kinematic Viscosity at 100 ^o C, mm ² /s, ASTM D445	14.1
Viscosity Index, ASTM D2270	98
Flash Point(COC), °C, ASTM D92	240
Pour Point, °C, ASTM D97	-18
Total Base Number, mg KOH/g, ASTM D2896	13
Sulphated Ash, wt%, ASTM D 874	1.6

Note: These characteristics are typical of current production. While future production will conform to current specification, variations in these characteristics may occur.

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 * supersedes all previous versions

Health and Safety: 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 contact office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing off used product, take care to protect the environment.