

EMPROTEC MARINE 5040

Product Code: MAR014 | **Revision:** 20260327



A monograde, mineral oil based engine oil specifically formulated for marine applications.

Available Pack Sizes



Applications

A high-performance trunk piston engine oil formulated with premium paraffinic base oils and advanced additive technology, providing excellent detergency, dispersancy and robust anti-wear protection. It ensures reliable protection of bearings, running components and critical engine surfaces under challenging operating conditions. Designed for use in highly rated medium speed diesel engines, including turbocharged units used in marine propulsion or auxiliary power generation operating on high sulphur distillate fuels or heavy fuel oil (HFO), it delivers exceptional cleanliness, long-lasting performance and dependable operation in demanding marine and industrial environments.

Recommended by Aztec Oils as suitable for the following applications

Suitable for medium to high speed marine diesel engines operating on fuels with a maximum sulphur content of 3.0%. Additionally, it can be used in low-speed two-stroke crosshead diesel engines with oil-cooled pistons, older crosshead engines with water-cooled pistons and certain auxiliary systems.

Benefits

- Excellent rust & corrosion properties.
- Outstanding thermal & oxidation stability.
- Promotes long engine life & reduces operational costs.
- Reduced deposits in piston cooling spaces & crankcase.
- Superb detergency & dispersancy system.
- Very high alkalinity provides effective protection against corrosive acids formed from sulphur in fuel oils.

Typical Test Data

Density @ 15°C (kg/m ³)	ASTM D4052	0.91
Flash Point (°C)	ASTM D92	>190
Kinematic Viscosity @ 40°C (mm ² /s)	ASTM D445	208
Kinematic Viscosity @ 100°C (mm ² /s)	ASTM D445	18.5
Pour Point (°C)	ASTM D97	<-15
Total Base Number (mg KOH/g)	ASTM D2896	40
Viscosity Index	ASTM D2207	99

The typical test data provided is taken from average values, there will be some variability in production and therefore do not constitute a specification.

Health, Safety & Recommendations

In line with our policy of continued improvement, Aztec Oils reserve the right to change specifications and availability without prior notice. This product, used according to our recommendations and for its designed application, does not represent any particular risk. The information present in this technical data sheet is indicative of the product and is given in good faith, but should not form part of any specification.

Health, Safety & Recommendations

- A Safety Data Sheet is available for consultation at www.aztecoils.co.uk.
- Before using this product, the maintenance guide should be checked and oil changes must be carried out in accordance with the manufacturers' recommendations.
- Packaging should not be left exposed to elements and drums should be laid horizontally to prevent contamination.
- This product should not be stored at temperatures over 60°C, kept out of direct sunlight, protected from frost and fluctuations in temperature.
- When disposing of the product after use, please protect the environment and comply with local regulations.

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