

EMPROTEC MARINE 4012

Product Code: MAR006 | **Revision:** 20240821



Monograde mineral based engine oil for marine applications.

Available Pack Sizes



Applications

A premium quality performance system oil formulated from a blend of high quality paraffinic base oils and a carefully formulated additive technology, providing excellent detergency and dispersancy characteristics with strong anti-wear protection. Designed for the lubrication of bearings, running parts and crosshead assemblies.

Recommended by Aztec Oils as suitable for the following applications

API CF
Caterpillar 3406 & 3412
DEF STAN 91-22
Suitable for medium/high speed marine diesel engines using fuel with a maximum sulphur content of 1.0%.

Benefits

- Excellent rust and corrosion properties.
- Outstanding thermal and oxidation stability.
- Promotes long engine life and reduces operational costs.
- Reduced deposits in piston cooling spaces and crankcase.
- Superb detergency and dispersancy system.

Typical Test Data

Density @ 15°C (kg/m ³)	ASTM D4052	0.88
Flash Point (°C)	ASTM D92	>190
Kinematic Viscosity @ 40°C (mm ² /s)	ASTM D445	147
Kinematic Viscosity @ 100°C (mm ² /s)	ASTM D445	15
Pour Point (°C)	ASTM D97	<-20
Total Base Number (mg KOH/g)	ASTM D2896	12.0
Viscosity Index	ASTM D2207	102

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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