

## EMPROTEC MARINE 2-STROKE

**Product Code:** MAR013 | **Revision:** 20260327



Two stroke oil for marine applications.

### Available Pack Sizes



### Applications

A high-performance two-stroke engine oil specifically designed to meet the requirements of the NMMA TC-W3 specification. Developed for use in water-cooled, spark-ignition outboard engines, it provides reliable lubrication and protection under demanding operating conditions. Its advanced ashless additive technology helps minimise deposit formation, ensuring clean pistons and reduced exhaust port blocking. The formulation offers excellent corrosion protection against the effects of saltwater exposure, while maintaining strong film strength to protect critical engine components. It supports smooth engine operation, reduced smoke and improved overall performance.

### Recommended by Aztec Oils as suitable for the following applications

NMMA TC-W3  
Mercury Marine, Yamaha, Suzuki, Force/US Marine, Sears and other manufacturers requiring NMMA TC-W3 oil. Can be used in other water-cooled two-stroke engines such as snowmobiles.

### Benefits

- Advanced protection technology helps guard against piston seizure, even at high temperatures & low oiling rates.
- Ashless formulation specifically developed for water-cooled engines, promoting long service life, high load-carrying capability & resistance to pre-ignition under sustained high-speed operation.
- Excellent detergency & dispersancy properties help maintain engine cleanliness.
- Minimises deposit formation in piston cooling areas & the crankcase, supporting cleaner engine operation.
- Suitable for both oil injection & pre-mix systems, up to 50:1.

### Typical Test Data

Appearance		Clear & bright, blue
Density @ 15°C (kg/m <sup>3</sup> )	ASTM D4052	0.88
Flash Point (°C)	ASTM D92	120
Kinematic Viscosity @ 40°C (mm <sup>2</sup> /s)	ASTM D445	52
Kinematic Viscosity @ 100°C (mm <sup>2</sup> /s)	ASTM D445	8.2
Pour Point (°C)	ASTM D97	<-25
Total Base Number (mg KOH/g)	ASTM D2896	7.0
Viscosity Index	ASTM D2207	130

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

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](http://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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