

# Technical Data Sheet



## Marine Two Stroke Oil TC-W3

Product Code: MAR013/B - Revision: 20190903

### Product Description

A high-quality marine two stroke engine oil formulated to meet the demands of the U.S.A. National Marine Manufacturers Association NMMA TC-W3. Developed for high performance water cooled outboard two stroke spark ignition.

The stringent performance levels demanded of this specification supersede those of NMMA TC-W2, the former boating industry association (BIA) TC-W, and the former API TSC-4, and can be used where these classifications are specified.

### Benefits

- Developed for both oil injection and pre-mix systems up to 50:1.
- Ashless formulation specifically for water cooled engines to give a long operating life, withstand high loads, constant throttle and avoid pre-ignition.
- Powerful detergent system helps to avoid ring sticking, piston deposits, plug fouling and exhaust deposits.
- High lubricity formula prevents wear.
- Excellent corrosion resistance to protect the engine when the engine is not in use or in storage.

### Applications

A marine two stroke oil with a wide range of marine applications for water cooled two stroke engines.

Can also be used in other water-cooled two stroke engines such as snowmobiles.

In all cases the engine manufacturers fuel/oil ratios should be adhered to, in pre-mix applications.

### Typical Test Data

Appearance	-	Blue Liquid
Density @15°C	-	0.88
Flash Point (°C)	-	120
Kinematic Viscosity cSt @ 100°C	-	8.2
Kinematic Viscosity cSt @ 40°C	-	52
Pour Point (°C)	-	<-25
Total Base Number (mg KOH/g)	-	7.0

### Product Profile

**NMMA TC-W3**