PRODUCT DATA SHEET

Marine Ultra Outboard

Full Synthetic TC-W3 Oil for 2-Cycle Engines

Rev: 2026-06-27

DESCRIPTION

TRIAX Marine Ultra Outboard is a premium, full-synthetic 2-stroke engine oil designed for water- and air-cooled two-cycle engines that require an NMMA TC-W3 oil. Built on synthetic base oils and a premium additive package — anti-oxidants, defoamers, anti-wear agents, dispersants, and friction modifiers — it delivers enhanced engine cleanliness, prevents ring sticking, reduces spark-plug fouling, and runs virtually smokeless across outboards, personal watercraft, and other 2-cycle marine engines.

PERFORMANCE HIGHLIGHTS

- Superior lubricity and wear protection for pistons, bearings, and cylinder walls
- Smokeless combustion — low-ash, low-smoke formula minimizes exhaust deposits and plug fouling
- Outstanding detergency keeps combustion chambers and exhaust ports clean
- Enhanced corrosion protection against saltwater and moisture, including during long storage periods
- Excellent fluidity and miscibility — mixes easily with fuel in all ratios
- Reduces ring sticking and carbon build-up, extending engine life
- Prevents scuffing and power loss under high load and high-RPM operation

SPECIFICATIONS & APPLICATIONS

TRIAX Marine Ultra Outboard is designed for both direct-injection and pre-mix systems, for use in outboards, personal watercraft (PWCs), and other 2-cycle marine engines that require an NMMA TC-W3 oil.

For use in applications requiring the following specifications:

- **NMMA TC-W3**

Fully compatible with most marine engine OEMs, including but not limited to the following:

- Mercury
- Evinrude
- Johnson
- Yamaha
- Suzuki
- Tohatsu
- Honda
- and many others

If a specification is listed above, the product meets or exceeds that specification, or is suitable for use in equipment requiring that specification.

TYPICAL PROPERTIES

Parameter (Test Method)	Typical Value
Appearance (Visual)	**Blue, dyed liquid**
Viscosity, Kinematic @ 40 °C, cSt (ASTM D445)	**38.0**
Viscosity, Kinematic @ 100 °C, cSt (ASTM D445)	**7.4**
Viscosity Index (ASTM D2270)	**165**
Flash Point, °C (°F) (ASTM D92)	**150 (302)**
Pour Point, °C (°F) (ASTM D97)	**-45 (-49)**
Total Base Number, mg KOH/g (ASTM D2896)	**5**
Sulfated Ash, wt.% (ASTM D874)	**<0.1**

These are typical values. There may be small differences in actual values which are a normal part of production and do not affect product performance or specification compliance.

DIRECTIONS & MIXING

Always follow the mixing ratio specified for your equipment. Fuel-mixing chart — oz of oil per gallons of gasoline:

Gas : Oil	1 Gal	2 Gal	3 Gal	4 Gal	5 Gal	6 Gal
16 : 1	8	16	24	32	40	48
20 : 1	6	13	19	26	32	38
24 : 1	5	11	16	21	27	32
25 : 1	5	10	15	20	26	31
40 : 1	3	6	10	13	16	19
50 : 1	3	5	8	11	13	16

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