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MAG 1[®] MARINE TC-W3 2-CYCLE

MOTORCYCLES, SCOOTERS, MARINE AND POWERSPORTS 2-CYCLE, SMALL ENGINE, MOTORCYCLE AND MARINE PRODUCTS



MAG 1[®] TC-W3 2-Cycle Oil is a premium, high-quality motor oil formulated for use in outboard motors, motorcycles, snowmobiles, chain saws, garden equipment, and other fuel-lubricated or oil-injected 2-cycle engines. Formulated to prevent ring sticking, reduce spark plug fouling, keep engine clean, prevent scuffing and work with injector and fuel-lubricated engines.

- Follow engine manufacturers' recommendations to determine correct oil/fuel ratio. Add oil to fuel, mix thoroughly.
- Meets API TC and JASO FB specifications.
- Licensed by NMMA.

PROTECTION FOR TODAY'S 2-CYCLE ENGINES

Small engines have evolved dramatically, requiring highly specialized fluids for unique applications. One brand has evolved right alongside – MAG 1[®]. Only the most advanced oil meets the difficult challenges of effectively balancing performance, strength and durability.

Featuring FMX[®] Technology [™] is designed to provide unsurpassed protection.

PERFORMANCE

- Delivers superior anti-friction performance for your outboard engines.

STRENGTH

- Provides a strong oil film to prevent metal-to-metal contact between rotating parts to prevent wear.

DURABILITY

- Resists thickening due to high operating temperatures.

INDUSTRY/OEM SPECIFICATIONS

NMMA TCW-3	Approved
JASO FB, API TC	Meets Requirements
Mercury, Johnson, Yamaha, Evinrude, Force, Mariner, Suzuki, Nissan	Meets requirements where TCW-3 oils are required

TYPICAL PROPERTIES

Color	ASTM D1500	Blue
Gravity, °API	ASTM D287	32.20

Nitrogen, wt. %	ASTM D4629	0.47
Pour Point °C (°F)	ASTM D5950	-47°C (-53°F)
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8644
Sulfated Ash, wt. %	ASTM D874	<0.001
Sulfur, wt. %	ASTM D4951	0.07
TBN, mgKOH/g	ASTM D2896	5
Total Acid Number, mgKOH/g	ASTM D664	0.9
Total Metals (Ca, Mg, Zn), wt. %		0.0000
Viscosity @ 100°C cSt	ASTM D445	6.15
Viscosity @ 40°C cSt	ASTM D445	30.07
Viscosity Index	ASTM D2270	159

CONTAINER/BULK AVAILABILITY

55 Gallon Drum	Product Number - 00614
3/1 Gallon	Product Number - 60136
6/1 Quart	Product Number - 00609
12/16oz	Product Number - 60140

Available in Bulk

Information accurate as of January 1, 2020