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DATA SHEET

100:1 Pre-Mix Synthetic 2-Stroke Outboard Oil



AMSOIL Synthetic 2-Stroke Outboard Oil is engineered with low-temperature dispersants that reduce varnish and carbon deposits to help eliminate plug fouling and promote rapid throttle response in water-cooled outboard motors. Its environmentally friendly low-smoke, low-odor, low-toxicity properties produce fewer emissions at 100:1 mix ratios than other oils mixed at 50:1.

- **Prevents** plug fouling and ring sticking.
- **Improves** idling and throttle response.
- **Minimizes** smoke and emissions.
- **Maximizes** torque and power.
- **Protects** at lean mix ratios.
- **Inhibits** rust and corrosion.

Smokeless Protection

AMSOIL Synthetic 2-Stroke Outboard Oil delivers superior lubricity and anti-wear protection at 100:1 mix ratios and burns clean to eliminate smoke and reduce emissions. It also inhibits rust and corrosion common to marine applications.

Superior Performance

AMSOIL Synthetic 2-Stroke Outboard Oil improves ignition, idling and throttle response in two-stroke engines by inhibiting deposit formation that causes plug fouling, ring sticking and exhaust port blockage.

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TYPICAL TECHNICAL PROPERTIES
Synthetic 2-Stroke Outboard Oil (ATO)

Kinematic Viscosity @ 100°C, cSt (ASTM D445)	14.5
Kinematic Viscosity @ 40°C, cSt (ASTM D445)	111.2
Viscosity Index (ASTM D2270)	133
Pour Point, °C (°F) (ASTM D97)	-37 (-35)
Flash Point, °C (°F) (ASTM D92)	174 (345)
Fire Point, °C (°F) (ASTM D92)	234 (453)

APPLICATIONS

Use pre-mixed in two-stroke outboard motors, personal watercraft and jet boats that specify TC-W3. For maximum performance, mix with gasoline at 100:1 regardless of the mix ratio specified for the equipment. Richer mix ratios may be used if desired.

RATIO	OIL	FUEL
50:1	2.6 oz.	1 GALLON
80:1	8.0 oz.	5 GALLONS
100:1	8.0 oz.	6 GALLONS

WARRANTY SECURE®

AMSOIL Synthetic 2-Stroke Outboard Oil is Warranty Secure, keeping your factory warranty intact. It is a high-performance replacement for manufacturer-branded oils and backed by the AMSOIL Limited Warranty (G1363). Details at AMSOIL.com/warrantysecure.

HEALTH & SAFETY

This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Safety Data Sheet (SDS) available at AMSOIL.com or upon request at (715) 392-7101.
Keep Out of Reach of Children. Recycle used oil and bottle.

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AMSOIL products and Dealership information are available from your full-service AMSOIL Dealer.

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