



PROTECTION | **PERFORMANCE**
you demand. | *you deserve.™*

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.

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.



- **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.

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](https://www.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](https://www.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.