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DATA BULLETIN

The First in Synthetics®

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

Performance-Engineered for Outboards



Specifically designed for outboard motors, Outboard 100:1 Pre-Mix Synthetic 2-Stroke Oil contains a heavy dose of low-temperature dispersant additives that excel at reducing varnish, carbon and deposits in water-cooled motors. Its low-smoke, low-odor, low-toxicity properties produce fewer emissions at 100:1 mix ratios than oils mixed at 50:1, benefitting operators and the environment. Outboard Synthetic 2-Stroke Oil is formulated to prevent "oil loading" and plug fouling for rapid throttle response, making it ideal for trolling motors.

AMSOIL Synthetic 2-Stroke Oil has been providing improved performance and protection in two-stroke engines since 1973. Trust the extensive experience of AMSOIL, The First in Synthetics®, to do the best job protecting your engine.

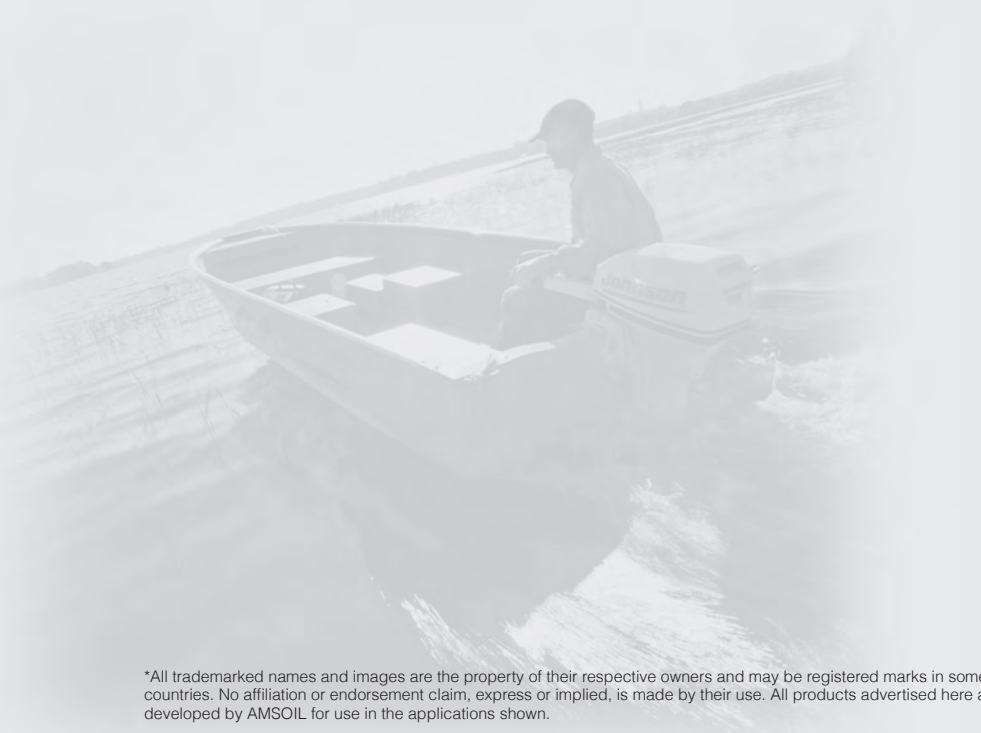
Engine Protection

Outboard Synthetic 2-Stroke Oil provides premium protection and performance at 100:1 mix ratios. It is formulated for hot-operating two-stroke outboard motors, effectively fighting carbon and deposit formation and preventing ring sticking.

Smokeless Operation

Outboard Synthetic 2-Stroke Oil's synthetic formulation burns cleanly. When mixed at 100:1, smoke is virtually undetectable. Boaters subjected to smoke and fumes benefit from these low-emission properties.

- **Excellent** lubricity and cleanliness properties
- **Controls** friction and helps prevent wear, plug fouling, ring sticking and exhaust port blocking
- **Improves** throttle response
- **Lowers or eliminates** smoke
- **Delivers** outstanding protection and performance at lean mix ratios
- **Anti-rust** formulation counteracts the damp environments often encountered in outboard applications



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Order by Phone 1-800-956-5695 - Give Operator Reference #5983322

TYPICAL TECHNICAL PROPERTIES
Outboard Synthetic 2-Stroke 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
For pre-mix use 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 where desired.

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

WARRANTY SECURE®
Outboard Synthetic 2-Stroke Oil is Warranty Secure, keeping your factory warranty intact. Outboard Synthetic 2-Stroke Oil is a high-performance replacement for vehicle manufacturer-branded products and is also backed by the AMSOIL Limited Warranty (G1363). For details, visit 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). An SDS is available via the Internet at www.amsoil.com or upon request at (715) 392-7101. **Keep Out of Reach of Children.** Recycle used oil and bottle.

AMSOIL The First in Synthetics®

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

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