



## Saber® Professional & Outboard 100:1 Pre-Mix Synthetic 2-Cycle Oils

AMSOIL Saber Professional and Saber Outboard 100:1 Pre-Mix Synthetic 2-Cycle Oils are formulated with exclusive AMSOIL synthetic base oils and premium additives. Designed for lean mix ratios in two-cycle motors, Saber 2-Cycle Oils have excellent lubricity and cleanliness properties. They control friction and help prevent wear, plug fouling, ring sticking and exhaust port blocking. Saber 2-Cycle Oils also feature an anti-rust formulation to counteract the damp environments often encountered in two-cycle applications.

*AMSOIL 100:1 Synthetic 2-Cycle Oils have been providing improved performance and protection in two-cycle motors since 1973. Trust the extensive experience of AMSOIL, The First in Synthetics®, to do the best job protecting your motor.*

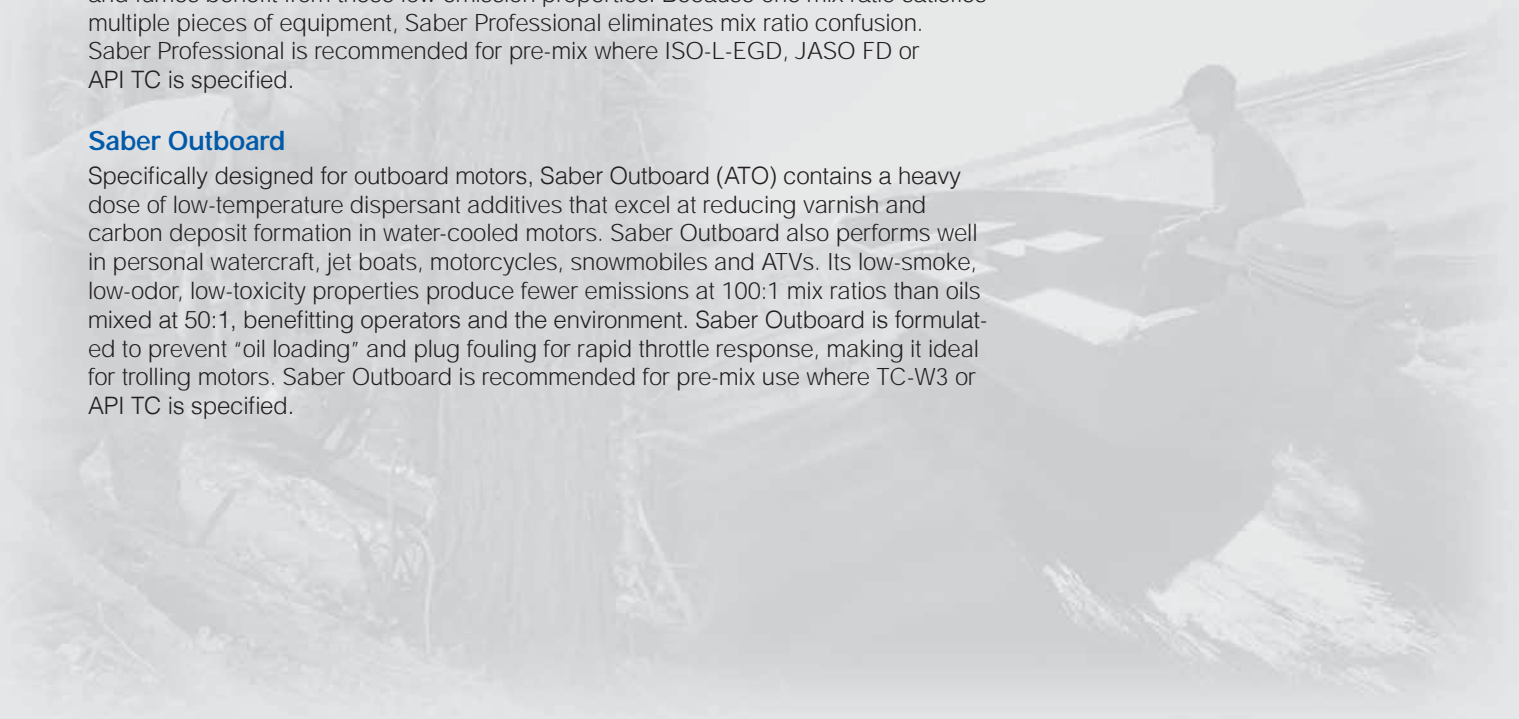


### Saber Professional

Saber Professional (ATP) is specifically designed for small engines including, but not limited to, chainsaws, lawn equipment, blowers, chop saws, pumps, scooters and go-carts. It is available in a 3.5-oz. bilingual (English/Spanish) container, which is ideal for treating the 2 – 2.5-gallon gas cans commonly used for storing mixed gas on the job. Saber Professional also works well in motorcycles, snowmobiles, ATVs, jet boats and personal watercraft. Saber Professional is formulated with high-temperature detergent additives to help prevent hard carbon deposits from forming in these hot-operating motors. Saber Professional is “smokeless” and delivers fewer emissions at 100:1 mix ratios than oils mixed at 50:1. Equipment operators subjected to smoke and fumes benefit from these low emission properties. Because one mix ratio satisfies multiple pieces of equipment, Saber Professional eliminates mix ratio confusion. Saber Professional is recommended for pre-mix where ISO-L-EGD, JASO FD or API TC is specified.

### Saber Outboard

Specifically designed for outboard motors, Saber Outboard (ATO) contains a heavy dose of low-temperature dispersant additives that excel at reducing varnish and carbon deposit formation in water-cooled motors. Saber Outboard also performs well in personal watercraft, jet boats, motorcycles, snowmobiles and ATVs. 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. Saber Outboard is formulated to prevent “oil loading” and plug fouling for rapid throttle response, making it ideal for trolling motors. Saber Outboard is recommended for pre-mix use where TC-W3 or API TC is specified.



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## TYPICAL TECHNICAL PROPERTIES

### Saber® 100:1 Pre-Mix Synthetic 2-Cycle Oils (ATP & ATO)

	ATP	ATO
Kinematic Viscosity @ 100°C, cSt (ASTM D-445) .....	13.5	17.9
Kinematic Viscosity @ 40°C, cSt (ASTM D-445) .....	99	141.2
Viscosity Index (ASTM D-2270) .....	136	141
Pour Point, °C (°F) (ASTM D-97) .....	-36 (-33)	-33 (-27)
Flash Point, °C (°F) (ASTM D-92) .....	114 (237)	120 (248)
Fire Point, °C (°F) (ASTM D-92) .....	114 (237)	138 (280)

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## APPLICATIONS

AMSOIL Saber 100:1 2-Cycle Oils are recommended for 100:1 mix ratios in normal service. Richer mix ratios may be used where desired.

2.6 oz.	per 1 U.S. gallon	=	50:1
8 oz.	per 5 U.S. gallons	=	80:1
1.3 oz.	per 1 U.S. gallon	=	100:1
8 oz.	per 6 U.S. gallons	=	100:1



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