

AMSOIL 2-Cycle Oil Recommendations

AMSOIL 2-Cycle Oil	Outboard	Snowmobile, Motorcycle & ATV	Personal Watercraft & Jet Boat	Chain Saw, Chop Saw & Pump	Weed Eater, Blower & Lawn Mower	Moped, Scooter & Go-Cart
HP Injector (HPI) TC-W3, API TC (Injection or 50:1 Pre-Mix)	Excellent (4) (5)	Very Good	Very Good	Not Recommended	Not Recommended	Not Recommended
INTERCEPTOR (AIT) API TC, JASO FC (Injection or 50:1 Pre-Mix)	Not Recommended	Excellent (4)	Excellent (3) (4)	Good	Good	Good
DOMINATOR (TDR) API TC, JASO FC (Injection or 50:1 Pre-Mix)	Racing (1)	Racing (2)	Racing (2) (3)	Very Good	Very Good	Very Good
Saber Professional 100:1 Pre-Mix (ATP) ISO-L-EGD, JASO FD, API TC	Not Recommended	Very Good Pre-Mix Only	Very Good Pre-Mix Only (3)	Excellent	Excellent	Excellent
Saber Outboard 100:1 Pre-Mix (ATO) TC-W3, API TC	Excellent Pre-Mix Only	Very Good Pre-Mix Only	Very Good Pre-Mix Only	Not Recommended	Not Recommended	Not Recommended

Equipment manufacturers and motor builders have redesigned two-cycle motors to reduce emissions and increase fuel economy. These changes have increased operating temperatures, reduced oil consumption and incorporated direct fuel injection and exhaust power valves. AMSOIL 2-Cycle Oils are designed to maximize performance in all types of engine designs and are optimized for select applications.

Even though AMSOIL 2-Cycle Oils have been optimized for specific applications, they are multi-functional and recommended for use in many areas. The chart rates each oil's performance abilities per application as follows:

Excellent: The primary recommendation for the oil. The oil is specifically designed for the operating conditions of the motors in these markets. There is only one "Excellent" recommendation per category.

Very Good: A main recommendation for the oil. Identifies an oil that is very good for the operating conditions of these motors.

Good: A secondary recommendation for an oil. The oil was not specifically designed for these applications. However, the chemistry in the oil is suited to the operating conditions of these motors.

Not Recommended: Identifies applications where the product was not intended for use.

- Notes:**
- (1) Not recommended for long-term use in outboard motors as a TC-W3 type oil, although excellent as a racing oil for short term use where motors are periodically inspected.
 - (2) Excellent for racing or modified motors. Very good for recreational use.
 - (3) For applications calling for a TC-W3 product use the recommendations listed under Outboards.
 - (4) Recommended for all direct fuel injected (DFI), electronic fuel injected (EFI) and carbureted motors.
 - (5) Includes Mercury® Optimax®, Johnson® & Evinrude® FICHT® & E-TEC™, Yamaha® HPDI, Nissan® & Tohatsu® TLDI®.

DOMINATOR Synthetic 2-Cycle Racing Oil (TDR)



- Provides excellent film strength for high heat, high RPM motors
- Reduces friction for maximum power
- Recommended for use with coated or non-coated racing pistons
- Recommended for use with exhaust power valves
- Recommended for use with high octane racing gas
- Burns clean; Prevents ring sticking and plug fouling
- Provides excellent protection at 50:1 pre-mix or in injection systems

HP Injector Synthetic 2-Cycle Oil (HPI)



- Superior performance in DFI outboard motors
- Prevents piston and combustion chamber deposits
- Prevents "ring jacking" common to DFI outboards
- Low smoke, low odor product
- Contains up to 30 percent more additives for "super clean" operation
- Prevents wear for long engine life
- Prevents rust
- Multi-functional and recommended for use in many two-cycle motors
- Low aquatic toxicity
- Recommended for use as injection oil or at a 50:1 pre-mix

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



- Saber Professional is "Smokeless"
- Saber Outboard is a very low smoke, low odor product
- At 100:1, both oils produce lower emissions than oils mixed at 50:1
- Saber Professional is recommended for ISO-L-EGD applications
- One mix ratio for everything eliminates confusion
- Both oils are versatile and very good for many applications
- Cost effective compared to oils mixed at 50:1 or richer
- Saber Outboard exhibits low aquatic toxicity
- Lean mix ratio prevents plug fouling and exhaust port deposits

INTERCEPTOR Synthetic 2-Cycle Oil (AIT)



- Excellent exhaust power valve performance
- Low smoke and odor
- Surpasses SAE #4 cold temperature fluidity properties and has a -50°F pour point
- Prevents wear on cylinders and bearings for long engine life
- Prevents pre-detonation by controlling ignition promoting deposits called "hot spots"
- Versatile and excellent for all types of recreational equipment
- Protects against rust
- Recommended for injector systems or at 50:1 mix ratios