### AMSOIL 2-Cycle Oil Recommendations

AMSOIL 2-Cycle Oil	Outboard <sup>(4) (5)</sup>	Snowmobile <sup>(4)</sup> , Motorcycle <sup>(4)</sup> & ATV <sup>(4)</sup>	Personal Watercraft <sup>(3) (4)</sup> & Jet Boat <sup>(3) (4)</sup>	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)	(4) Excellent (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)	(3) Excellent (4)	Good	Good	Good
DOMINATOR (TDR) API TC, JASO FC (Injection or 50:1 Pre-Mix)	Racing (1)	Racing (2)	Racing (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<sup>™</sup>. Yamaha® HPDI. Nissan® & Tohatsu® TLDI®.

# DOMINATOR Synthetic HF 2-Cycle Racing Oil (TDR)

#### **HP Injector Synthetic** 2-Cycle Oil (HPI)

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

#### **INTERCEPTOR Synthetic** 2-Cycle Oil (AIT)



- 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



- 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 aguatic toxicity
- Recommended for use as injection oil or at a 50:1 pre-mix



- 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



- 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