

AMSOIL Leads the Way in Two-Cycle Oil Technology

New AMSOIL “Fabulous Four” 2-Cycle Oils provide second-to-none protection and performance in modern two-cycle equipment.

Two-cycle engines remain the workhorses in recreational equipment, including outboard motors, motorcycles, snowmobiles and personal watercraft, as well as in lawn and garden applications like lawn mowers and weed eaters. Design changes over recent years have included direct fuel injection engines, in which fuel is injected directly into the combustion chamber, and exhaust power valves, which improve combustion efficiency at varying RPM. These design changes have allowed two-cycle engine manufacturers to effectively reduce emissions, improve fuel efficiency and decrease oil consumption. Today’s two-cycle motors of all types require specialized oil technology to deliver maximum engine protection, dependable operation and long service life.

As the leader in two-cycle oil technology, AMSOIL has performed extensive research in developing a new line of revolutionary, specialized oils called the “Fabulous Four.” AMSOIL INTERCEPTOR Synthetic 2-Cycle Oil (AIT) was the first new oil to be introduced. It is primarily recommended as an injector oil or at a 50:1 mix ratio in

carbureted, electronic fuel injected (EFI) and direct fuel injected (DFI) snowmobiles, personal watercraft, motorcycles and ATV’s. Formulated with wax-free premium quality synthetic esters and a specialized additive package, INTERCEPTOR is designed to address the exhaust valve sticking problems associated with certain snowmobile models.

New AMSOIL HP Injector Synthetic 2-Cycle Oil (HPI), DOMINATOR Synthetic 2-Cycle Racing Oil (TDR) and Saber Professional (ATP) and Outboard (ATO) Synthetic 100:1 Pre-Mix 2-Cycle Oils complete the Fabulous Four lineup, replacing AMSOIL Synthetic 2-Cycle Injector Oil, Series 2000 Synthetic 2-Cycle Racing Oil and 100:1 Pre-Mix Synthetic 2-Cycle Oil, respectively. The application chart below ranks each oil’s performance in common two-cycle applications. See page 19 for “Fabulous Four” 2-Cycle oil pricing.

Existing Series 2000 Synthetic 2-Cycle Racing Oil (TCR), Synthetic 2-Cycle Injector Oil (AIO) and Synthetic 100:1 Pre-Mix 2-Cycle Oil (ATC) will be available as supplies last.

TWO-CYCLE OIL RECOMMENDATION						
AMSOIL Product	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	Very Good	Very Good	Not Recommended	Not Recommended	Not Recommended
INTERCEPTOR (AIT) API TC, JASO FC	Not Recommended	Excellent	Excellent	Good	Good	Good
DOMINATOR (TDR) API TC, JASO FC	Racing (1)	Racing (2)	Racing (2)	Very Good	Very Good	Very Good
Saber Professional 100:1 (ATP) Pre-Mix ISO-L-EGD, JASO FC, API TC	Not Recommended	Very Good Pre-Mix Only	Very Good Pre-Mix Only	Excellent	Excellent	Excellent
Saber Outboard 100:1 (ATO) Pre-Mix, TC-W3, API TC	Excellent Pre-Mix Only	Very Good Pre-Mix Only	Very Good Pre-Mix Only	Not Recommended	Not Recommended	Not Recommended

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. This is the best possible choice for the application. 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. “Excellent” rated products offer superior performance.

Racing: (1) Not recommended for long-term use in outboard motors as a TC-W3 type oil, although excellent as a race oil for short term use where motors are periodically inspected.

(2) Excellent for racing or modified motors. Very good for recreational use.

*Recommended for all (DFI) direct fuel injected, (EFI) electronic fuel injected, and carbureted motors. Outboard motors include Mercury® Optimax®, Johnson® & Evinrude® FICHT® & E-TEC,™ Yamaha® HPDI, Nissan® & Tohatsu® TLDI®

Introducing the AMSOIL **“Fabulous Four”** Synthetic 2-Cycle Oil Lineup



DOMINATOR SYNTHETIC 2-CYCLE RACING OIL (TDR)

New AMSOIL DOMINATOR Synthetic 2-Cycle Racing Oil is a robust formulation specially engineered for unsurpassed protection in high performance two-cycle motors, both on and off the track. It contains heavier synthetic base oils that provide more lubricity for “on the edge” operation. DOMINATOR reduces friction and protects pistons and bearings subjected to the rigors of racing. DOMINATOR contains the right additives for clean motor operation.

- 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)

New AMSOIL HP Injector Synthetic 2-Cycle Oil is a precise synthetic formulation that exceeds the lubrication demands of modern two-cycle engines. It contains premium synthetic base oils and MAX-DOSE additive system, providing superior performance in direct fuel injected (DFI), electronic fuel injected (EFI) and carbureted outboard motors, as well as other recreational two-cycle equipment.

- 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 (ATP & ATO)

New AMSOIL Saber Professional (ATP) and Saber Outboard (ATO) Synthetic 2-Cycle Oils are specifically designed for lean mix ratios in pre-mix applications. Saber Professional contains high temperature detergents for small power equipment. Saber Outboard contains lower temperature dispersants for water-cooled outboard motors. Extensive testing shows superior lubricity and cleanliness properties at lean mix ratios of these premium synthetic formulations.

- Saber Professional is “Smokeless”
- Saber Outboard is a very low smoke, low odor product
- At 100:1, both oils produce 30 percent 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)

New AMSOIL INTERCEPTOR Synthetic 2-Cycle Oil is engineered specially for power sports applications and those engines equipped with exhaust power valves. It contains the finest synthetic ester base oils and additives available for exceptional cleanliness properties. INTERCEPTOR is the result of years of field testing in the Rocky Mountain region, which provided some of the most severe conditions possible. INTERCEPTOR excels at controlling exhaust valve sticking and provides outstanding overall lubrication properties.

- Proven “No Stick” exhaust power valve performance
- Reduces smoke and odor
- Surpasses SAE #4 cold temperature fluidity properties and has a -54°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

Fabulous Four 2-Cycle Oil Data Bulletins (25 in a pack)

DOMINATOR	(TDR)	G-1985	2.80 U.S.	4.65 Can.
HP Injector	(HPI)	G-1986	2.80 U.S.	4.65 Can.
Saber	(ATP & ATO)	G-1987	2.80 U.S.	4.65 Can.
INTERCEPTOR	(AIT)	G-1955	2.80 U.S.	4.65 Can.
2-Cycle Oil Recommendation Chart		G-1988	2.80 U.S.	4.65 Can.