



*The First in Synthetics®*

# High-Performance Products for High-Performance Vehicles

*Advanced  
Technology*



# AMSOIL Provides Ultimate Protection For High-Performance Vehicles

The last 20 years have brought many changes and advancements in the automotive world. Much smaller engines are producing speeds 50 percent faster than their predecessors. Modern engines burn leaner, run hotter, have higher compressions and use smaller radiators and oil sumps. This demand for more power and performance out of significantly smaller engines has created the need for an oil that will perform as well as today's cars. OEM-recommended oil drain intervals have increased as much as 300 percent, adding even more strain on the oil. AMSOIL has been on the forefront of lubrication technology for over 35 years, developing and producing products that have changed the industry. As **The First in Synthetics**<sup>®</sup>, AMSOIL continually strives to produce the best high-performance lubricants and filters available. AMSOIL synthetic motor oils provide better protection, performance and fuel economy than competitors' oils. The unique chemistry of AMSOIL synthetic motor oils clings tenaciously to metal, forming a super-tough lubricating film that virtually annihilates wear and dramatically increases performance. AMSOIL synthetic motor oils are lab-tested and race-proven to be the best lubricants available. AMSOIL synthetic motor oils are the right choice for contemporary high-performance vehicles. Take a look at the facts.

**FACT:** AMSOIL synthetic motor oils are pure and molecularly uniform. Every single molecule in AMSOIL synthetic motor oils is dedicated to engine lubrication and protection. Conventional motor oils contain non-essential molecules that do virtually nothing to protect the engine, and contain elements that can actually harm it.

**FACT:** AMSOIL synthetic motor oils are formulated to exceed the most demanding worldwide performance specifications, and are recommended for all domestic and imported passenger car and truck engines.



**FACT:** AMSOIL synthetic motor oils reduce friction more effectively than conventional petroleum motor oils do. Less friction means less engine wear, better fuel economy and improved power and performance.

**FACT:** AMSOIL synthetic motor oils inhibit the formation of sludge, varnish, acids and other harmful deposits. Engines stay cleaner, perform better and last longer.

**FACT:** AMSOIL synthetic motor oils do not burn off like conventional petroleum motor oils do. AMSOIL synthetic motor oils retain their viscosity, providing reduced oil consumption, improved fuel economy and better wear protection.

**FACT:** AMSOIL synthetic motor oils remain fluid in the cold temperatures that gel conventional petroleum oils. With AMSOIL synthetic motor oils, engines start easier and are assured immediate start-up protection.

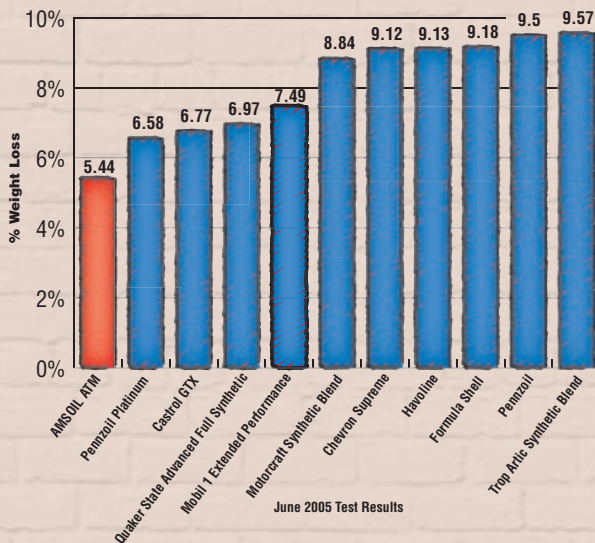
## Four-Ball Wear Test (ASTM D-4172)

60 kg pressure @ 150° C, 1800 rpm, for 1 hour duration  
As tested by an independent lab in 11/2005



*The smaller the wear scar, the better the protection.*

## NOACK Volatility (ASTM - D 5800)



*The smaller the weight loss due to high-temperature evaporation, the better the oil retains its ability to lubricate and protect the engine. As shown in the graph, AMSOIL Synthetic 10W-30 Motor Oil out-performed its nearest competitor by more than 30 percent.*



# AMSOIL Synthetic Lubricants and AMSOIL Ea Filters

## UNBEATABLE Protection and Performance



TRO

### Series 2000 Synthetic 20W-50 Racing Oil

Designed for engines exposed to high ambient temperatures and extraordinary performance demands, Series 2000 Synthetic 20W-50 Racing Oil (TRO) is the choice of race engine builders across North America. Its ability to protect engines and increase power has undergone dynamometer testing by independent race engine builders throughout the country.

- California: Compared to a popular 10W-50 racing oil, Series 2000 Synthetic 20W-50 Racing Oil provided an average 3.67 increase in horsepower and an average 3.13 foot-pound torque increase.
- North Carolina: Compared to a popular 20W-50 racing oil, Series 2000 Synthetic 20W-50 Racing Oil provided an average 24.6 horsepower increase and an average 21.3 foot-pound torque increase.
- Arizona: Compared to a different popular 20W-50 racing oil, Series 2000 provided an average 3.97 foot-pound torque increase.

### Signature Series Synthetic 0W-30 Motor Oil

The oil of choice for fuel economy and extreme cold-temperature protection, Signature Series Synthetic 0W-30 Motor Oil (SSO) has proven its fuel economy benefits in laboratory testing and on-road use.

- Signature Series Synthetic 0W-30 Motor Oil scored the biggest fuel economy savings ever recorded at the independent test facility where it was tested.
- Dynamometer testing performed by Dyno-Pro, an independent shop in Illinois, showed that compared to a popular 10W-30 motor oil, Signature Series Synthetic 0W-30 provided an average 2.22 horsepower increase and an average 2.75 foot-pound torque increase.



SSO

### AMSOIL Ea Air Filters

AMSOIL Ea Air Filters (EaA) incorporate nanofiber technology which has been used exclusively in severe and heavy-duty applications. AMSOIL Ea Filters are more efficient and have greater capacity than cellulose and wet gauze filters, effectively extending engine and filter life and reducing engine wear. AMSOIL provides superior Ea technology in filters specially designed for high-performance applications.

### Ea Universal Air Induction Filters

AMSOIL Ea Air Induction Filters (EaAU) fit most popular air intake systems on the market, providing improved cold air intake and excellent efficiency for superior engine protection and performance. Ea Air Induction Filters are cleanable and remain serviceable for long filter life, saving money on filter costs. Cleaning of Ea Air Induction Filters with a shop vacuum or low-pressure shop air is recommended when designated by the restriction gauge or according to operating conditions.

### Ea Racing Air Filters

Specially designed for carbureted racing and street rod applications, AMSOIL Ea Racing Air Filters (EaAR) are composed of advanced nanofiber media for higher dirt-holding capacity and lower pressure drop compared to traditional filter media. They provide greater air flow and efficiency than other assemblies of this type. EaAR Filters are cleanable and remain serviceable for long filter life.

### Ea Pre-Filters

Constructed of woven mesh and designed for racing and off-road applications, AMSOIL Ea Pre-Filters (EaPF) fit over the top of AMSOIL EaAR and EaAU Filters, preventing large particles from sticking to them and blocking the flow of air. Easily removed and shaken free of debris in seconds. Ea Pre-Filters are cleanable and remain serviceable for up to one year.

### Ea Crankcase Breather Filters

Ea Crankcase Breather Filters' (EaAB) advanced nanofiber media provides excellent vapor control, increased efficiency and superior engine performance in street rod and racing applications. Designed primarily for installation on valve covers used in high-performance and racing applications, but also compatible with engines, transmissions and oil tanks. EaAB Filters are cleanable and remain serviceable for long filter life.



# Race Proven Technology



SVG

## Severe Gear Extreme Pressure Gear Lube

Specifically engineered for high-demand applications, Severe Gear Synthetic Gear Lubes provide unmatched protection for trailer towing, heavy hauling, 4x4 off-road driving, commercial use and racing applications. Superior lube film strength combined with extra additives protects gears and bearings from scoring and wear. AMSOIL Severe Gear Synthetic Gear Lubes resist high heat and possess excellent

cold-flow properties. For an in-depth analysis of gear lube performance, refer to the AMSOIL *A Study of Automotive Gear Lubes* white paper (G2457).

## Super Shift Racing Transmission Fluid

Specially formulated for high horsepower and torque conditions, AMSOIL Super Shift Racing Transmission Fluid (ART) provides quick, solid shifts. Automatic transmissions do not slip, helping racers improve on elapsed times. Super Shift delivers unmatched friction reduction and reduced wear so clutch plates and transmissions last longer. It provides maximum torque transfer and brake power while resisting oxidation and thermal breakdown.



ART

## Series 2000 Synthetic Racing Grease

AMSOIL Series 2000 Synthetic Racing Grease (GRG) provides superior protection for wheel bearings and other components operating in high-temperature/high-speed conditions. It dramatically reduces friction and wear for improved performance.



AOB



GRG

## Series 2000 Octane Boost

AMSOIL Series 2000 Octane Boost (AOB) improves the performance of all two-cycle and four-cycle gasoline-fueled engines. AMSOIL Octane Boost maximizes power, reduces engine knock and improves ignition and engine response. It helps fuel burn cleaner, removes carbon deposits and inhibits corrosion. Octane Boost is excellent as a lead substitute at the same treat rates in collector automobiles, older off-road equipment and pleasure vehicles.

## Series 600 High-Performance Racing DOT 4 Brake Fluid

AMSOIL Series 600 High-Performance Racing DOT 4 Brake Fluid (BF4) provides superior performance in auto/light truck, high-performance, racing and power-sports applications. It maintains stable viscosities over a wide temperature range. Series 600 Racing Brake Fluid features a superior additive package that raises boiling points to more than 232°C (450°F). Water is kept in suspension, slowing its effects on braking systems.



AOB

# Synthetic 5W-40 European Motor Oil



Specially formulated for the lubrication needs of European gasoline and diesel cars and light trucks including VW 505.01, Mercedes-Benz 229.51 and BMW LL-04. Blended with advanced AMSOIL synthetic base stocks, premium additives and a broad 5W-40 viscosity rating, allowing motorists to take advantage of the maximum extended drain intervals recommended by European automakers while providing second-to-none protection and performance.



AFL

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

