

# AMSOIL

*The First in Synthetics*

## Products for the Family Fleet

Passenger Cars • Sports Cars • Sport Utility Vehicles • Pickup Trucks • Motorcycles



**Performance • Power • Protection**



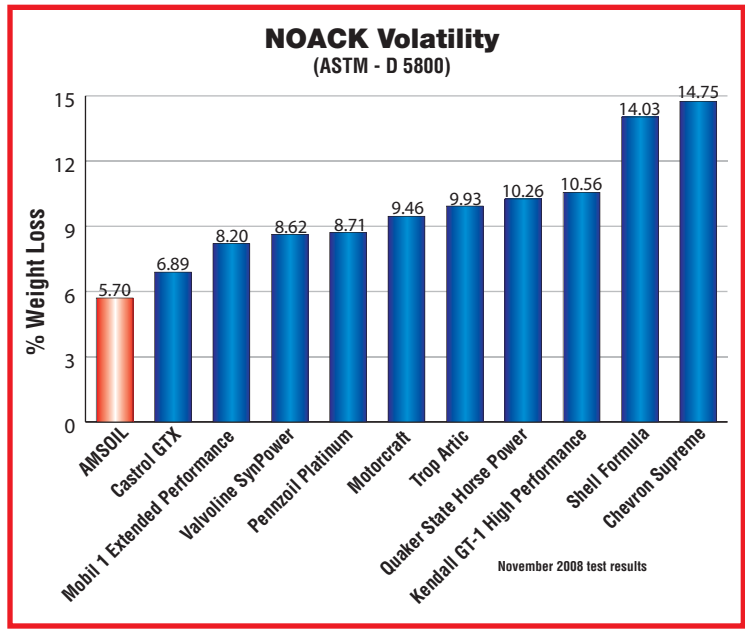
# AMSOIL Synthetic Motor Oils

**AMSOIL synthetic motor oils dramatically outperform conventional motor oils. They reduce friction, heat and wear for maximum power, performance and fuel efficiency.**

What makes AMSOIL synthetic motor oils so good? The molecular uniformity and purity of synthetic oils allows them to protect and lubricate engines better and more efficiently than conventional oils in all operating conditions. Synthetics lubricate and protect quickly in cold temperatures, maintain a dependable lubricating film in normal operating temperatures and shield moving parts from damage and wear during high-stress, high-temperature operation. AMSOIL synthetic motor oils exceed the most demanding worldwide performance standards and meet warranty requirements for all domestic and imported motor vehicle engines.

## AMSOIL Signature Series Motor Oil

The special synthetic base stock blends and advanced additive package found only in AMSOIL Signature Series Synthetic Motor Oil (SSO) provide up to two times the wear protection of other motor oils. AMSOIL Signature Series Synthetic Motor Oil reduces friction for quicker engine response, increased horsepower and improved fuel efficiency.



*The NOACK Volatility Test determines the evaporation loss of lubricants in high-temperature service. The more motor oils vaporize, the thicker and heavier they become, contributing to poor circulation, reduced fuel economy and increased oil consumption, wear and emissions.*





### AMSOIL High-Performance Oils

AMSOIL High-Performance Synthetic Motor Oils (ASM, ASL, ATM) are specially formulated to operate in high-temperature/high-stress engines, such as those in sport utility vehicles, motor homes, pickup trucks and gasoline-powered passenger vehicles.

AMSOIL High-Performance Synthetic Motor Oils provide maximum TBN and dispersant protection to control acid and soot in diesel engines. They also provide high levels of key anti-wear chemistries and have outstanding ability to maintain a dependable lubricating film of protection in stressful operating conditions – like those experienced by sport utility vehicles, motor homes and pickup trucks.

### AMSOIL XL Motor Oils

AMSOIL XL Synthetic Motor Oils (XLM, XLF, XLT, XLO) are made to deliver 7,500 miles or six months of service between oil changes (or longer when relying on factory-installed oil monitoring systems). These oils provide outstanding wear protection and can increase power, performance and fuel economy in high and low temperatures.

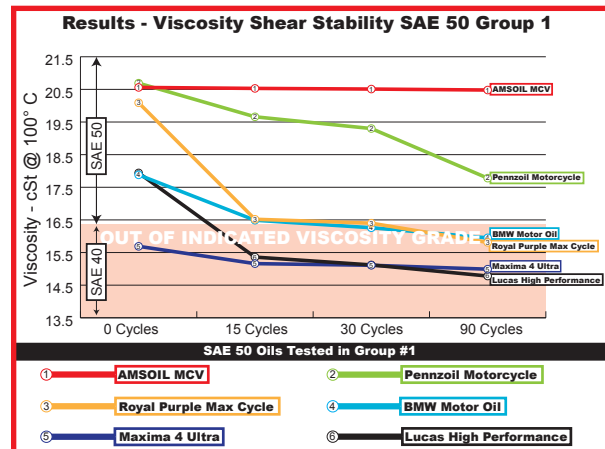


### AMSOIL Premium Protection Motor Oils

AMSOIL Synthetic 10W-40 and 20W-50 Premium Protection Motor Oils (AMO, ARO) are universal oils specially formulated to provide superior protection and performance in a wide variety of demanding applications. By incorporating high-quality synthetic base stocks and additives, AMSOIL Premium Protection Oils exceed the needs of large and small gasoline or diesel engines in cars, motorcycles, trucks, motor homes, small utility equipment, farm equipment and marine applications. Their high-zinc formulation provides the extra anti-wear protection required by engines with flat-tappet cams and high-tension valve springs.

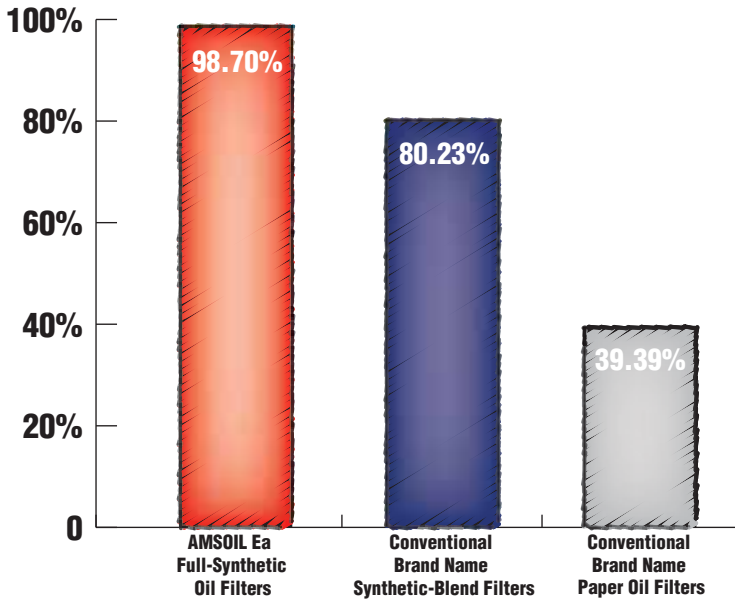
### AMSOIL Motorcycle Oils

AMSOIL Synthetic Motorcycle Oils (MCT, MCF, MCV) are premium oils designed for those who demand the absolute best lubrication for their motorcycles. They are specially formulated to excel in all areas unique to motorcycles, including high engine RPM, wet-clutch lubrication, high temperatures, extreme-pressure regions of gears and chains and preventing the formation of rust common to short trips and storage.



*The Viscosity Shear Stability Test determines how well an oil retains its viscosity when submitted to the high heat and shearing forces within motorcycle engines. Engines operating at high RPM and those that share a common oil sump with the transmission are particularly subject to high shear rates. The oils that perform well are those that show little or no viscosity loss.*

## Filter Efficiency @ 15 Microns per ISO 4548-12



*AMSOIL also provides premium Ea Air and Oil Filtration products for most motorcycle applications.*

**AMSOIL Ea Air and Oil Filters are the best defense against wear-causing dirt in the engine. In fact, oil stays analytically clean with a constellation of AMSOIL filters on board and clean oil promotes longer engine life and better performance.**

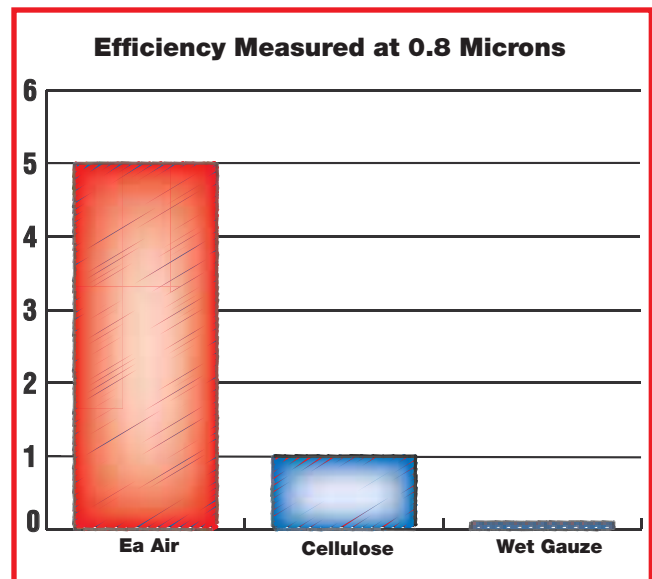
### AMSOIL Ea Oil Filters

AMSOIL Ea Oil Filters for automobile and light-truck applications have the best efficiency rating in the industry. They also have significantly lower restriction than conventional cellulose media filters. The small synthetic nanofibers in AMSOIL Ea Oil Filters trap smaller particles and hold more contaminants, resulting in lower restriction. During the engine warm-up period, an Ea Oil Filter allows the oil to flow through the filter at colder temperatures than a typical cellulose filter does. The additional filtering time decreases engine wear. AMSOIL Ea Oil Filters are guaranteed for 25,000 miles or one year, whichever comes first, when used in conjunction with AMSOIL synthetic motor oil.



### AMSOIL Ea Air Filters

AMSOIL Ea Air Filters' synthetic nanofiber media removes five times more dust than traditional cellulose filter media alone and 50 times more dust than wet-gauze filter media. AMSOIL Ea Air Filters are designed to provide superior efficiency, better air flow and more capacity, and they are cleanable for long life. AMSOIL Ea Air Filters are guaranteed for 100,000 miles or four years, whichever comes first. They remain effective for 25,000 miles or one year before requiring cleaning.





### AMSOIL Ea By-Pass Filters

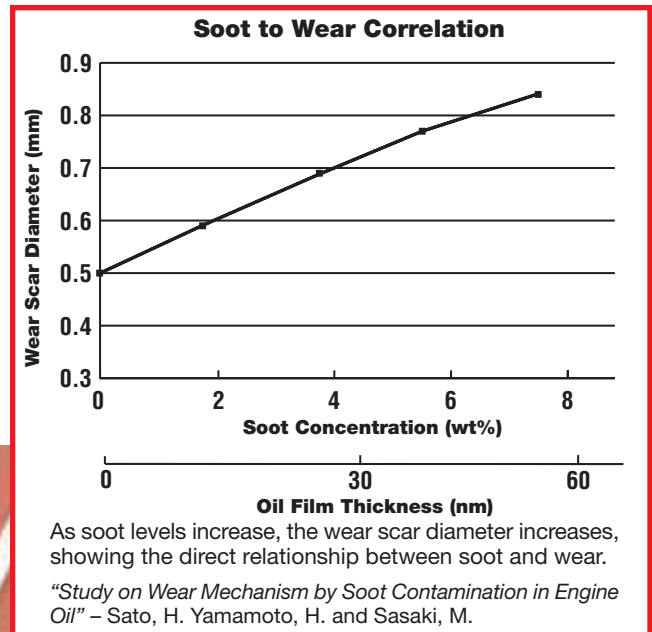
AMSOIL Ea By-Pass Oil Filters provide enhanced filtration protection against wear and oil degradation. Working in conjunction with the engine's full-flow oil filter, AMSOIL Ea By-Pass Filters operate by filtering oil on a "partial-flow" basis. They draw approximately 10 percent of the oil pump's capacity at any one time and trap the extremely small, wear-causing contaminants that full-flow filters can't remove. AMSOIL Ea By-Pass Filters employ a high-efficiency by-pass filter element that is also a soot removal device. These filters remove 39 percent of soot contaminants less than one micron. Soot removal efficiency increases approximately 10 to 14 percent when Ea By-Pass Filters are used in conjunction with a standard full-flow filter.

### AMSOIL Dual Remote Oil Filtration

The AMSOIL Dual Remote Oil Filtration System combines an AMSOIL Ea Oil Filter and an Ea By-

Pass Filter on a single mount that may be placed anywhere space allows in the engine compartment, for ease of serviceability.

The dual remote system increases the circulating oil volume in the engine. That helps the oil stay cleaner and last longer, and it helps regulate engine temperature, which promotes long engine life.



# AMSOIL ATF, Gear Lubes, Greases & More



**From automatic transmissions to wheel bearings to fuel, AMSOIL offers products to improve performance and protect vehicles.**

## **AMSOIL Synthetic Automatic Transmission Fluids**

AMSOIL Synthetic Automatic Transmission Fluids (ATF, ATL) exceed the performance requirements for domestic and foreign automatic transmission fluid applications, providing excellent lubricating protection and better performance over a wider temperature range than conventional automatic transmission fluids.

AMSOIL ATFs resist thermal and oxidative degradation longer than conventional transmission fluids, protecting components from damaging sludge and varnish deposits, avoiding component overheating and helping to ensure cooler, smoother transmission operation. AMSOIL ATFs also offer substantially better cold-temperature fluidity than required by current automatic transmission fluid specifications and are formulated to provide easier starting, faster warm-ups, smoother shifting and improved fuel economy.

AMSOIL Synthetic Automatic Transmission Fluids are engineered to deliver smooth shifting and long, trouble-free transmission life for extended drain intervals. Transmissions usually operate under severe-service conditions and are subjected to extensive idling, frequent short trips, cold-temperature driving, sustained hot-weather driving or trailer towing. When conventional transmission fluid is used under severe service, it should be changed every 15,000 to 30,000 miles. AMSOIL ATFs can go longer with change intervals up to 60,000 miles in severe service, up to 100,000 miles in normal service.

## **AMSOIL Severe Gear® Synthetic Gear Lubes**

AMSOIL Severe Gear Synthetic Gear Lubes (SVG, SVO, SVT) are formulated with superior film strength and extra additives to protect gears and bearings from scoring and wear. They effectively resist high heat and possess excellent cold-flow properties for superior

all-season performance. AMSOIL Severe Gear Synthetic Gear Lubes outperform all conventional gear oils and are recommended for all types of vehicles such as turbo-diesel pickups, SUVs, autos, trucks, heavy equipment and motor homes. Compatible with most limited-slip differentials.

## **AMSOIL Synthetic 80W-90 Gear Lube**

AMSOIL Synthetic 80W-90 Gear Lube (AGL) is a high-quality replacement for applications specifying SAE 80W-90 conventional gear lube. Its synthetic construction and high-quality additives provide improved cold-flow properties, high viscosity index, heat resistance, excellent wear protection and long equipment life.

## **AMSOIL Synthetic Greases**

AMSOIL synthetic greases are formulated for component lubrication and protection in normal and high-stress automotive conditions, such as high speeds, high temperatures, heavy loads and wet applications. All are synthetic-based lithium-complex greases fortified with extreme-pressure, anti-rust and

### **HIGH TEMPERATURE TESTS**

**Ford MERCON® V required  
oxidation test (ABOT)**

**300 HOURS – PETROLEUM**

**600 HOURS – AMSOIL**

**AMSOIL ATF resists oxidation  
two times longer than required  
for petroleum ATFs.**

January 2009 test results

anti-corrosion chemistries and all are capable of extended service lives. AMOIL Series 2000 Synthetic Racing Grease (GRG) is specially formulated for severe, high-speed/high-temperature racing conditions. AMOIL Multi-Purpose Grease (GLC) is made for day-to-day high-speed/high-temperature automotive applications. AMOIL Heavy Duty Grease (GHD) contains molybdenum, which provides an extra shield of protection in heavy-load conditions. AMOIL Water Resistant Grease (GWR) is specially formulated for extra water-washout resistance and protection of components against the degrading effects of water, such as rust. AMOIL Spray Grease puts the great protection of AMOIL Multi-Purpose Grease in a handy spray application for protecting tough-to-reach components.



**GRG      GLC      GHD      GWR**

**AMOIL Power Foam**

AMOIL Power Foam (APF) is designed to improve starting and increase fuel efficiency. Power Foam penetrates and thoroughly cleans the engine's intake system to free sticky valves, clean dirty spark plugs and remove gum, varnish and carbon deposits from exterior engine surfaces.



**APF**

**AMOIL Engine Flush**

AMOIL Engine Flush (AEF) cleans engines and helps restore them to their original level of power and efficiency.

Engine Flush removes deposits from the engine crankcase, cylinder walls, pistons and rings. It is designed to clean valves, valve lifters, rocker arms and pistons to improve power, fuel efficiency and performance. It also extends oil service life by removing deposits that contaminate oil.



**AEF**



**API**

**AMOIL P.i.**

AMOIL P.i. (API) gasoline additive improves engine idle, response and starting. AMOIL P.i. removes fuel system deposits and other contaminants from fuel-injected and carbureted systems for improved power and overall performance in gasoline engines. AMOIL P.i. also reduces PCV and EGR system deposits and reduces exhaust emissions.

**TRICO Wiper Blades**

AMOIL offers four lines of premium wiper blades from TRICO: Exact Fit, NeoForm, Winter and Heavy Duty. TRICO provides the broadest line of high-quality wiper products for automotive OEMs and the aftermarket. Innovative design, quality production and superior performance make TRICO wiper blades a perfect complement to AMOIL products.

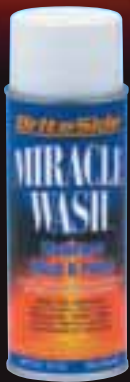


**NGK Spark Plugs and Plug Wires**

AMOIL also offers spark plugs and plug wires from NGK. NGK is the world leader in OEM and aftermarket spark plugs. NGK uses top-quality raw materials to design and manufacture spark plugs for automotive and powersports applications. AMOIL offers four lines of NGK spark plugs: Iridium IX, V-Power, Standard and Commercial. NGK spark plug wire sets are manufactured with the finest materials for excellent noise suppression and superior conductivity. They offer exact OEM fit, form and function and the quality of their construction is unsurpassed. AMOIL also offers NGK Power Cable wire sets. They are performance spark plug wires designed with ultra-low resistance for high-performance applications. They are a perfect complement to the Iridium IX spark plugs.



# BEAUTY!



### **BriteSide™ Miracle Wash Aerosol Spray**

A unique dry car wash and polish delivers outstanding performance and quick, easy and economical applications. No water required. Specially formulated surfactants lift dirt and other particles from the surface of your car and hold them in suspension.

Miracle Wash then acts as a shield, protecting the surface from abrasion while you wipe the dirt clean. Repels dust and light dirt particles and protects against the sun's ultraviolet rays.



### **Mothers® Automotive Appearance Products**

AMSOIL offers premium Mothers automotive appearance products that include everything needed to clean, polish and care for all of the vehicles in the family fleet. The Mothers product line is divided into four distinct categories: Reflections®, FX™ Power Products and California Gold/Mothers Original.

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



Synthetic Oil Technology LLC