



*The First in Synthetics*®

# Synthetic Lubricants for Farm Equipment



- **Superior Protection**
- **Longer Service Life**
- **Maximum Equipment Life**
- **Save Money**



# AMSOIL Synthetic Lubricants

**Protect • Prevent • Improve**

## Long-Lasting Service

AMSOIL lubricants have a long service life. Non-synthetic lubes can break down from oxidation and heat, creating sludge and forming engine deposits. AMSOIL lubricants resist oxidation and the damaging effects of intense heat to provide superior performance and extended service life.

## Low-Temperature Fluidity and High-Temperature Stability

AMSOIL lubricants provide maximum protection in both extreme hot and cold conditions. Their synthetic formulations simultaneously provide superior flow in cold temperatures and maximum protection when engines are hot.

## Rust and Corrosion Protection

AMSOIL synthetic lubricants contain special additives to prevent rust and corrosion, something that's especially important for equipment that sits idle or is stored for part of the year.

## Anti-Friction

AMSOIL lubricants reduce friction much better than conventional petroleum lubricants. The reduced friction and drag between moving parts results in reduced wear, more efficient operation and better fuel economy.

## Versatile Lubricants

In many cases, AMSOIL lubricants eliminate the need for specialty lubes. AMSOIL lubricants meet or exceed the performance specifications of a wide variety of farm machinery, allowing farmers to store less inventory and limiting confusion as to which lubricants are used in which machinery.

**AMSOIL Keeps Farm  
Equipment Dependable**

**PROTECT**  
machinery through reduced wear and more  
efficient operation.

**PREVENT**  
rust and corrosion.

**IMPROVE**  
engine performance and your bottom line.



# AMSOIL Synthetic Greases

## AMSOIL Synthetic Greases Outperform Ordinary Grease

AMSOIL synthetic greases are recommended for all types of farm applications. The Multi-Purpose, Heavy-Duty, Water Resistant and Semi-Fluid 00 Synthetic EP Greases each provide outstanding anti-wear protection by significantly reducing friction and wear. Each is highly resistant to water washout and each imparts excellent rust and corrosion resistance.

### Synthetic Heavy Duty Grease

AMSOIL GH Series Heavy Duty Synthetic EP Grease (GHD) is composed of synthetic base oils and lithium-complex thickeners that provide the film strength, shear resistance and mechanical stability critical to high-load protection. AMSOIL Heavy Duty Synthetic Grease excels in high and low operating temperatures by providing excellent oxidation stability, high-temperature dropping point and good low-temperature torque values and pumping capability. It is available in 14-oz. cartridges, 35-lb. lugs, 120-lb. kegs and 400-lb. drums.



GHD

### Synthetic Multi-Purpose Grease

AMSOIL Synthetic Multi-Purpose Grease (GLC) is qualified against the highest grease standards and designed for multiple-use applications. It is composed of premium-quality synthetic base oils and lithium-complex thickeners for superior film strength, shear resistance, adhesion properties and mechanical stability. AMSOIL Synthetic Multi-Purpose Grease features a superior high-temperature dropping point. It resists thermal and oxidation degradation, provides excellent water-washout resistance and superior low-temperature torque value and pumping capability. Available



GLC

in 14-oz. cartridges, 35-lb. lugs, 120-lb. kegs and 400-lb. drums. AMSOIL Multi-Purpose Spray Grease is available in 10.5-oz. spray cans.

### Synthetic Water Resistant Grease

AMSOIL Synthetic Water Resistant Lithium-Complex Grease (GWR) is an extreme-pressure, multi-purpose grease formulated specially for wet-duty performance. Its water washout and sprayoff resistance are ideal for wheel bearings of vehicles and trailers frequently exposed to water, mud, snow or ice. It seals metal surfaces against rust and chemically fights corrosion. AMSOIL Synthetic Water Resistant Grease provides superior high- and low-temperature performance and maximum load-carrying and extreme-pressure performance. Available in 14-oz. cartridges, 35-lb. lugs and 120-lb. kegs.



GWR

### Semi-Fluid 00 Synthetic EP Grease

AMSOIL Semi-Fluid 00 Synthetic EP Grease (GSF) is formulated with high-viscosity ISO-460 synthetic base oils and a sophisticated additive package, providing an unparalleled protection system that reduces wear and prevents damage. Its advanced extreme-pressure additives provide superior protection and performance in shock-loading applications which can rupture the oil film of conventional greases and lead to damaging metal-to-metal contact. AMSOIL Semi-Fluid Grease resists water and provides superior protection against corrosion and oxidation, which can eat away and destroy critical components and lead to equipment failure. Available in 35-lb. pails and 120-lb. kegs. 400-lb. drums are available by special order.



GSF



# AMSOIL Synthetic Diesel Oils

## Outstanding Performance in Extreme Temperatures

AMSOIL synthetic diesel oils provide outstanding performance in all conditions. They flow easily in cold weather, resist volatilization and reduce friction for improved efficiency and maximum equipment life.

### Series 3000 Synthetic 5W-30 Heavy Duty Diesel Oil

AMSOIL Series 3000 Synthetic 5W-30 Diesel Oil (HDD) delivers extraordinary lubrication in both diesel and gasoline engines, exceeding the higher performance demands of modern engines. AMSOIL Series 3000 Synthetic 5W-30 Heavy Duty Diesel Oil withstands the stress of higher heat, higher acid levels and excessive soot loading found in EGR-equipped engines. It provides extended drain intervals, maximum fuel economy, unsurpassed wear protection, reduces oil consumption, controls wear and excels in extreme temperatures.



HDD

### Synthetic 10W-30/SAE 30 Heavy Duty Diesel Oil

AMSOIL Synthetic 10W-30/SAE 30 Diesel Oil (ACD) is formulated with premium synthetic base oils that exceed both 10W-30 multi-grade and SAE 30 straight-grade viscosity requirements for outstanding performance in modern and older diesel engines. It has a naturally high viscosity index and a pour point of -36°F, making it an all-season multi-grade lubricant with a wide operating temperature range.



ACD

### Synthetic 5W-40 Premium API CJ-4 Diesel Oil

AMSOIL Synthetic 5W-40 (DEO) is the premium choice for API CJ-4 emission-quality diesel oil required by model-year 2007 and newer diesel engines. It delivers extraordinary lubrication in diesel engines. AMSOIL Synthetic 5W-40 Diesel Oil exceeds the higher performance demands of modern engines and withstands the stress of heat, soot and acids to help prevent deposits, corrosion and wear. It controls soot thickening, maximizes fuel economy, reduces oil consumption and excels in extreme temperatures.



DEO

### Synthetic 15W-40 Heavy Duty Diesel and Marine Motor Oil

AMSOIL Synthetic 15W-40 Heavy Duty Diesel and Marine Motor Oil (AME) is a premium diesel oil providing excellent performance in all types of diesel engines where highly effective control of wear and deposits is vital. It provides extended drain intervals, advanced soot and wear control, maximum fuel economy, reduced oil consumption and excellent cold-flow properties.



AME

### Synthetic Blend 15W-40 Heavy Duty Motor Oil

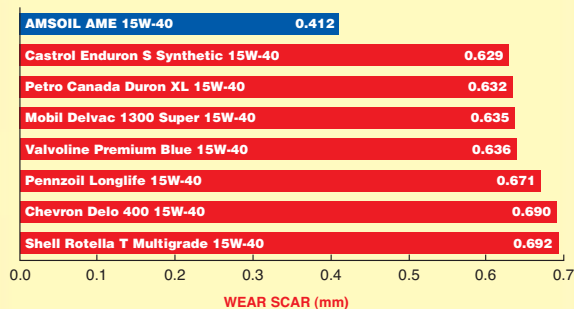
AMSOIL Synthetic Blend 15W-40 Heavy Duty Motor Oil (PCO) features a dual base of premium synthetic and hydro-processed base oils in formulation with proven high-quality anti-wear additives. It is formulated with high levels of dispersant and detergent additives that effectively control acids and soot thickening to prevent corrosion, wear and deposits.



PCO

### Four-Ball Wear Test

(150°C, 1800 rpm, 40 kg, 1 hour duration)  
November 2004 test results



The Smaller the Wear Scar, the Better the Protection!

# AMSOIL Synthetic Gear Lubes

## Extreme-Pressure Synthetic Gear Lubes

Farmers need to cut costs wherever and whenever they can. AMSOIL synthetic gear lubes save money by making drivetrains operate as efficiently as possible for as long as possible.

### Reduced Friction

AMSOIL synthetic gear lubes are blended with outstanding anti-friction properties. Friction in transmissions and differentials steals energy. Lost energy translates into less power and poor fuel economy. The superior "slipperiness" of AMSOIL gear lubes makes gear-boxes run cooler and easier. Components move with less resistance, even under heavy loads. Transmission parts last longer and the saved energy is transmitted to the wheels, allowing maximum use of every gallon of fuel.

### Reduced Wear

The outstanding extreme-pressure and anti-wear properties of AMSOIL synthetic gear lubes keep wear at an absolute minimum, resulting in greater equipment reliability and less money spent on repairs, replacement parts and downtime. AMSOIL gear lubes help keep equipment in the field and out of the shop.

### Long Life Synthetic Gear Lubes

AMSOIL Long Life Synthetic Gear Lubes (FGO, FGR) are extended-drain gear lubes engineered specifically to last several times longer and protect gears better than all conventional gear lubes. These exclusive AMSOIL formulations of premium synthetic base oils and high-performance additives resist acid, carbon and varnish formation from oxidative breakdown. AMSOIL Long Life Synthetic Gear Lubes are available in 75W-90 and



80W-140 viscosities. They provide high-load gear and bearing protection, reduced operating temperatures, rust and corrosion protection, better cold-weather shifting, improved efficiency and improved seal life.

### 80W-90 Synthetic Gear Lube

AMSOIL 80W-90 Synthetic Gear Lube (AGL) is a multi-functional product designed to surpass the requirements of equipment and automotive applications calling for an SAE 80W-90 viscosity grade. Formulated with wax-free synthetic base oils and high-quality additives, AMSOIL 80W-90 Synthetic Gear Lube resists thermal breakdown. Its naturally high viscosity index and shear-stable construction improve film strength and viscosity retention. AMSOIL Synthetic 80W-90 Gear Lube prevents wear, resists heat and protects gears. It lasts longer in service than conventional gear oils and increases equipment life.



AGL

### Severe Gear® Synthetic 75W-140 Extreme-Pressure Gear Lube

AMSOIL Severe Gear® 75W-140 Synthetic Extreme-Pressure (EP) Gear Lube (SVO) is a premium-grade gear oil specifically engineered for maximum performance in severe-duty applications. This state-of-the-art AMSOIL formulation features an exclusive blend of high-viscosity, shear-stable synthetic base oils and an extra treatment of high-performance additives. AMSOIL Severe Gear 75W-140 Synthetic Gear Lube maintains its viscosity for long-lasting protection against metal-to-metal contact. This high-performance gear lube excels in extreme temperatures and provides superior film strength, controls thermal runaway, provides superior rust and corrosion protection, reduces operating temperatures and provides improved efficiency and longer oil, seal and equipment life. AMSOIL Severe Gear is also available in 75W-90 and 75W-110 viscosities.



SVO



# AMSOIL Synthetic Tractor Hydraulic/Transmission Oil

**Improves Performance and Reliability . . . Saves Time and Money**

Most hydraulic/transmission failures are caused by contamination or breakdown of the hydraulic fluid. Excess heat is a major enemy of hydraulic/transmission fluids. Non-synthetic hydraulic fluids are likely to oxidize when exposed to the extreme environment of tractor transmissions and hydraulic systems. Oxidation leads to the formation of acids, varnish and sludge deposits. This can thicken oil, reduce lubricating abilities, accelerate wear, damage hoses and lead to further overheating and catastrophic component failures.

## Synthetic Tractor Hydraulic/Transmission Oil

AMSOIL Synthetic Tractor Hydraulic/Transmission Oil (ATH) is an all-weather Universal Tractor Transmission Oil (UTTO) engineered to meet the tough demands of heavy-duty, hydraulic-powered farm and other commercial equipment. Its unique formulation of synthetic base stocks and additives effectively reduces wear, resists heat, protects against rust and extends fluid and equipment service life.



ATH

## Excellent High-Temperature Protection

AMSOIL Tractor Hydraulic/Transmission Oil is highly resistant to heat breakdown and chemical changes. It is a better carrier for heat transfer, so equipment runs 20° to 50° cooler. That means more efficient and economical operation with less maintenance and profit-stealing downtime.

## Extended Drain Intervals Save Money

AMSOIL Synthetic Tractor Hydraulic/Transmission Oil is recommended for extended oil drains based on oil analysis. Its durable formulation allows drain intervals two to three times longer than those of conventional fluids. This saves time, effort and money because you buy fluid less often. In addition, cooler operation with AMSOIL Tractor Hydraulic/Transmission Oil increases fuel economy and equipment life, especially for hoses, which are susceptible to heat damage. It is compatible with all seal materials and allows maximum seal and hose flexibility, positive seal seating and provides reduced oil leaking.

- **Universal Applications**
- **All-Weather Performance**
- **Extended Seal & Hose Life**
- **Reduced Downtime**

## All-Weather Performance

AMSOIL Synthetic Tractor Hydraulic/Transmission Oil is an all-weather oil that operates over a wide range of temperatures. It has a high viscosity index to maintain its lubricity at high operating temperatures, and it flows at temperatures as low as -47°F for improved equipment operation and wear protection. It exceeds the most demanding all-weather specifications of both Ford New Holland FNHA 2-C-200 & 2-C-201 and John Deere J20C & J20D, eliminating the need for seasonal oil changes.

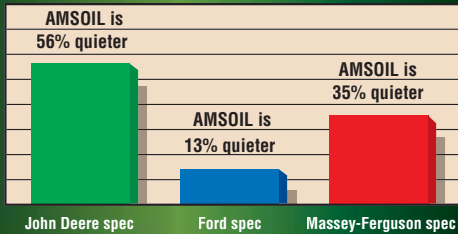
## Smooth Brake Operation

AMSOIL Synthetic Tractor Hydraulic/Transmission Oil is formulated with durable friction modifier additives that effectively suppress wet brake chatter. Unlike conventional oils that can break down and cause vibration, AMSOIL Synthetic Tractor Hydraulic/Transmission Oil provides continuous frictional stability for long-term smooth brake operation.

## TIRED OF BRAKE CHATTER?

Laboratory tests (John Deere JDQ-40, Ford 7710, Massey-Ferguson 285) prove AMSOIL Synthetic Hydraulic/Transmission Fluid quiets wet brakes.

AMSOIL ATH surpasses equipment manufacturers' minimum requirements for wet brake chatter



# AMSOIL Diesel Fuel Additives

## Improve Performance, Reliability and Efficiency

AMSOIL diesel fuel additives provide unmatched benefits in diesel engines. They are formulated to produce maximum results with minimum cost. In fact, using AMSOIL diesel fuel additives actually saves money through improved efficiency, performance and protection.

### Diesel Concentrate Performance Fuel Additive

AMSOIL Diesel Concentrate (ADF) provides maximum diesel operating efficiency. It compensates for the variances in quality of different fuels (including biodiesel) and the deficiencies of today's ultra-low-sulfur diesel fuel (ULSD) for better engine operation.

AMSOIL Diesel Concentrate improves fuel economy and restores horsepower. As diesel engines are used, they become less efficient over time. Fuel injector deposits interrupt spray patterns, causing poor fuel atomization, incomplete combustion, excessive emissions and smoke. Tests prove that AMSOIL Diesel Concentrate cleans dirty injectors, improving fuel economy by up to five percent and restoring horsepower to like new. Acceleration is improved and with regular use, AMSOIL Diesel Concentrate continues to enhance performance by keeping injectors clean. The net savings on fuel expense can result in no additional cost to vehicle operation. AMSOIL Diesel Concentrate lubricates fuel pumps and injectors, reduces cylinder wear, retains engine oil TBN longer, minimizes soot loading and works as a fuel stabilizer.

### Cold Flow Improver

AMSOIL Cold Flow Improver (ACF) is formulated for a broad range of diesel fuels, including #1 diesel, #2 diesel, biodiesel and ULSD fuels. It provides superior fuel flow to help prevent fuel filter plugging in cold temperatures.

AMSOIL Cold Flow Improver minimizes the need for #1 diesel fuel, helping to maintain fuel economy and keeping engines functioning normally without exposing them to the reduced lubricity of #1 diesel fuel and the increased wear that results from its use.

AMSOIL Cold Flow Improver provides superior cold filter-plugging point (CFPP) depression. The CFPP is the point at which wax crystals found in diesel fuel at cold temperatures begin to clog the fuel filter. AMSOIL Cold Flow Improver lowers the CFPP by as much as 34°F (19°C) in ULSD.

### Cetane Boost

AMSOIL Cetane Boost Additive (ACB) improves diesel fuel quality to benefit all diesel engines. It is recommended for use with all types of heavy- and light-duty, on- or off-road and marine diesel engines. AMSOIL Cetane Boost increases fuel economy up to two percent, reducing operating costs. It improves the spontaneous auto-ignition point of diesel fuel, which shortens ignition lag time, allowing diesel fuel to ignite earlier in the cycle and providing more complete combustion for better performance, power and drivability. AMSOIL Cetane Boost extends battery and starter life by reducing the time the engine spends cranking to start. It reduces white smoke and emissions, improves cold-temperature starting and reduces misfiring during warm-up and at low temperatures.



ADF



ACF



ACB



# What You Get With AMSOIL

## Quality

AMSOIL offers a full line of premium synthetic lubricants and ultra-fine filtration products that provide unmatched performance and durability. AMSOIL quality means increased reliability, more economical operation and less maintenance and downtime. Using AMSOIL saves time, aggravation and money.

## Service

AMSOIL Dealers offer personal and dedicated service not found from any other lubricant supplier, and AMSOIL INC. offers support from its Technical Services Department. AMSOIL Dealers use AMSOIL products themselves, so they know the benefits and are eager to show you how you can profit using AMSOIL synthetic lubricants. Their confidence and enthusiasm are direct results of the quality of AMSOIL products and the integrity of AMSOIL INC.

AMSOIL INC. has a toll-free number available for customers to order AMSOIL products directly, and AMSOIL offers a convenient credit plan for commercial accounts.

## Expertise

AMSOIL has more experience formulating synthetic lubricants than any other company. AMSOIL INC. manufactured the first synthetic motor oil in the world to pass American Petroleum Institute (API) service qualification tests. AMSOIL is **"The First in Synthetics."** The leadership of AMSOIL in developing state-of-the-art synthetic lubrication and filtration solutions provides the consumer with a choice found nowhere else – the best lubrication that science has to offer. AMSOIL adds profit to your business by cutting operating costs.



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