



The First in Synthetics®

Commercial and Industrial Products

Lubricants, filters and services for off-road and industrial applications



*Reduced operating costs • Greater fuel economy
Increased equipment durability • Extended drain intervals*

Compressor Oils

AMSOIL Synthetic PC Series Compressor Oils are made from high quality synthetic oils. They promote long compressor life through reduced component wear, corrosion protection and resistance to water degradation and lubricant break-down.

Application Recommendations

AMSOIL Synthetic PC Series Compressor Oils are recommended for use in single-stage and multi-stage rotary screw, vane and reciprocating compressor crankcases and cylinders, vacuum pumps and other compressor applications.

Available in five viscosity grades, AMSOIL PC Series Synthetic Compressor Oils match compressor manufacturer viscosity recommendations.

Performance Features

AMSOIL Synthetic PC Series Compressor Oils are highly resistant to thermal and oxidative breakdown, which inhibits carbon build-up. The inhibition of carbon build-up promotes efficient, normal temperature range operation.

AMSOIL PC Series Synthetic



Compressor Oils are formulated to keep water from mixing with the oil and deteriorating its lubricating ability. AMSOIL PC Series

Synthetic Compressor

Oils are also formulated for easy water removal, with no need for specialized water removal processes.

Safety Advantage

AMSOIL Synthetic PC Series Compressor Oils' higher flash, fire and auto-ignition points and reduced tendency to form carbon deposits makes them a reduced fire or explosion hazard as compared to conventional petroleum compressor oils.

SIROCCO™ Synthetic Compressor Oil

AMSOIL SIROCCO™ Synthetic Compressor Oil is a high quality, long life fluid formulated with premium synthetic ester technology. SIROCCO™ effectively prevents wear, oxidation, foam and rust, while its inherent lubricity and thermal conductivity reduce heat and energy consumption, increasing operating efficiency and reducing maintenance costs.

Application Recommendations

AMSOIL SIROCCO™ Synthetic Compressor Oil is a multi-viscosity oil meeting the requirements of 5W-20. It may be used in applications calling for either an ISO-32



or ISO-46 compressor oil or coolant and is recommended for use in single- and multi-stage rotary screw compressors and vacuum pumps that call for this viscosity.

Performance Features

AMSOIL SIROCCO™ Synthetic Compressor Oil maintains performance across a wide operating temperature range. Its low pour point, high viscosity index and lack of paraffins (wax) make it an excellent all-season lubricant.

SIROCCO™ is also highly resistant to water. It prevents damaging oil/water emulsions, allowing for longer lubricant life and ease of water removal from the sump.

AMSOIL SIROCCO™ Synthetic Compressor Oil resists oxidation, foaming and rust for extended drain performance. It is also biodegradable under the CEC-L33-A94 standard.

AMSOIL SIROCCO™ Synthetic Compressor Oil has higher flash, fire and auto ignition points than competitive petroleum oils. Its resistance to carbon formation and its ashless additive system minimize the incidence of deposits acting as ignition-promoting hot spots.

AMSOIL SIROCCO™ Compressor Oil safely replaces PAG type compressor oils, such as Ingersoll-Rand SSR Ultra-Coolant® or Sullair Sullube 32®, following normal oil change procedures, without extensive flushing.

Hydraulic Fluids

AMSOIL Synthetic AW Series Antiwear Hydraulic Oils are long-life lubricants based on high quality synthetic oil technology. These oils are formulated with a premium additive system that inhibits oxidation, acid production, viscosity increase, rust and foam for outstanding component protection and positive equipment performance.

AMSOIL Synthetic AW Series Antiwear Hydraulic Oils are formulated for long life and typically reduce maintenance costs by extending drain intervals and reducing labor associated with repairs, down time and change outs.

Application Recommendations

AMSOIL Synthetic AW Series Antiwear Hydraulic Oils are recommended for high and low pressure gear, vane and piston stationary and mobile hydraulic systems. They are available in many viscosity grades; choose the grade recommended by the equipment manufacturer.

AMSOIL Synthetic AW Series Antiwear Hydraulic Oils meet the performance requirements of all major hydraulic manufacturers and are excellent for general purpose use where extended drain intervals

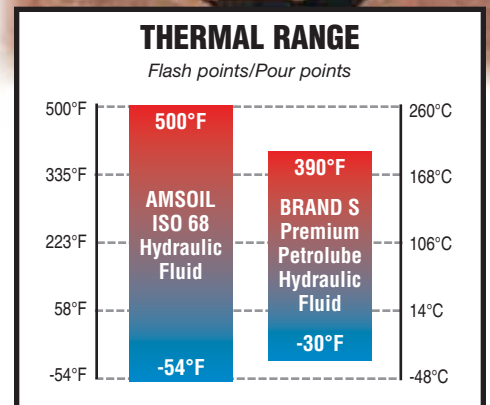
are desired or in severe duty operations where temperature extremes are encountered. The ISO 15 and 22 grade products, AWF and AWG, are preferred for use in temperatures -20°F or lower.

Performance Features

AMSOIL Synthetic AW Series Antiwear Hydraulic Oils resist thermal and oxidative breakdown, inhibiting carbon and varnish deposits. Deposit-free hydraulic equipment outlasts and outperforms deposit-laden equipment. Machinery lubricated with AMSOIL Synthetic Hydraulic Fluid runs cooler than machinery lubricated with conventional fluids. Cooler operation promotes long life for hoses, seals and other components.

AMSOIL Synthetic AW Series Antiwear Hydraulic Oils separate readily from water, preventing the formation of oil-water emulsions and subsequent degradation of equipment lubrication and protection. Ready water separation also promotes easy sump water drainage.

AMSOIL Synthetic AW Series Antiwear Hydraulic Oils' high-quality zinc-based antiwear/antioxidant additive prevents wear in



high-speed, high pressure vane and gear pumps while meeting the lubrication requirements of axial piston pumps with bronze-steel metallurgy.

Extreme Pressure Gear Oils

AMSOIL Synthetic SG Series Extreme Pressure Gear Oils are made from shear stable, high quality synthetic base oils and are fortified with additives that deliver high performance in industrial gear applications. These oils are designed to reduce maintenance costs by extending equipment life, extending drain intervals and protecting against wear, pitting and rust.

Application Recommendations

AMSOIL Synthetic SG Series Extreme Pressure Gear Oils are recommended for industrial applications operating under heavy loads and shock conditions and specifying an extreme pressure lubricant. This includes, but is not limited to, enclosed industrial spur, bevel,

herringbone, helical and worm gears,* chain drives, sprockets and most metal-on-metal systems requiring extreme pressure additives.

AMSOIL SG Series Gear Oils meet the AGMA ratings for synthetic gear oils and EP gear oils and are recommended for use in applications specifying these standards.

Performance Features

AMSOIL Synthetic SG Series Extreme Pressure Gear Oils are highly resistant to oxidation, providing unsurpassed protection and performance for extended drain intervals. Their high viscosity indices, low pour points and lack of paraffins (wax) make them ideal for wide operating temperature ranges.

AMSOIL SG Series Oils are also hydrolytically stable, readily separating from water and preventing oil/water emulsions.

AMSOIL SG Oils are fully formulated with sulphur/phosphorus extreme pressure additives, antioxidants, rust inhibitors and anti-foam agents. The thermally stable, extreme-pressure additive system forms a hard, iron-sulfide coating on metal components, preventing metal-to-metal contact under boundary lubrication conditions, reducing friction and protecting components against shock loading and wear.

* AMSOIL SG Series Gear Oils are not recommended for use in worm gear or yellow metal containing applications operating at or above 200°F (93°C). Also not recommended for use in other applications operating at or above 250°F (171°C). For such applications, please consult your AMSOIL Dealer or AMSOIL Inc.

AMSOIL Synthetic Greases

AMSOIL synthetic greases offer the superior properties of synthetic oils, premium quality lithium complex thickeners and top-quality performance additives.

Broad Temperature Performance

AMSOIL synthetic greases perform across a broader temperature range than other greases do. One AMSOIL synthetic grease may replace two conventional, seasonal greases, reducing inventory and the possibility of misapplication.

Extreme Pressure and Load Carrying Ability

AMSOIL synthetic greases protect components from metal to metal contact, even under heavy loads. Their extreme pressure additives form a shield against sudden or sustained extreme loads for dependable protection from wear.

Rust and Corrosion Protection

AMSOIL synthetic greases contain special rust and corrosion inhibitors to protect parts from rust and corrosion.

Compatibility

AMSOIL synthetic greases are compatible with most other greases and most seal materials. Preventive maintenance practices dictate thorough removal of one grease before installing a new grease, even when grease incompatibility is not expected.

Synthetic GL Series Multipurpose EP Lithium Complex Greases

AMSOIL Synthetic GL Series Multipurpose Greases are the preferred greases for high speed/high temperature applications and are formulated with dissolved load carrying and extreme pressure agents. NLGI consistency grades #0, #1, and #2.

Synthetic GH Series Heavy Duty EP Lithium Complex Greases

AMSOIL Synthetic GH Series Greases are formulated with dissolved extreme pressure agents and suspended molybdenum for exceptional load carrying ability in extreme load, low speed applications. NLGI consistency grades #1 and #2.



Synthetic Water Resistant Lithium Complex Grease

AMSOIL Synthetic Lithium Complex Water Resistant Grease is formulated for utmost protection against water. Its outstanding resistance to washoff and anti-rust/anti-corrosion activity make it the preferred grease for components subjected to frequent or prolonged water contact. NLGI consistency grade #1-1/2. May replace NLGI #1 or #2 greases.

X-Treme Food Grade Grease

AMSOIL X-Treme Food Grade Grease is formulated for applications in which incidental food contact may occur. It offers excellent high and low temperature performance and rust and corrosion protection, making it ideal for food processing. NLGI consistency grade #2.

AMSOIL Synthetic RC Series Gear and Bearing Oils

AMSOIL Synthetic RC Series Gear and Bearing Oils are primarily recommended for gear and bearing applications and circulating systems requiring A&O and/or anti-wear additive technology. Made from high quality synthetic base stocks and additive systems, AMSOIL RC Series lubricants effectively prevent wear and protect equipment by maintaining viscosity, resisting thermal and oxidative breakdown, incorporating anti-wear additives, preventing rust and resisting the degrading effects of water.

The high viscosity index and low pour points of AMSOIL RC Series lubricants allow for extended temperature protection and performance.

AMSOIL RC Series Oils remain fluid at cold temperatures, providing easier startups, quick lubricant circulation and limiting the need for sump heaters. At higher temperatures, AMSOIL maintains a thick lubricating film, reducing metal-to-metal contact and component wear.

Performance Features

- Long life / Extended drains
- Thermally stable / Yellow metals compatible
- Anti-wear / Anti-foam fortified
- Anti-rust / Anti-oxidation additives
- Cold temperature performance
- Meets AGMA R&O and Synthetic Gear Oil classifications
- Hydrolytically stable and readily separates from water

More Products for Industrial Applications

- AMSOIL Synthetic Thermally Stable Biodegradable Hydraulic Oil
- AMSOIL Semi-Synthetic WL Series Slideway, Chain and Gear Lube
- AMSOIL Non-Staining Textile Lubricant
- AMSOIL Synthetic Natural Gas Engine Oil

AMSOIL Synthetic Lubricants

In 1972, AMSOIL INC. introduced AMSOIL Synthetic 10W-40 Motor Oil and became the first company in the world to manufacture and market an American Petroleum Institute (API) rated synthetic motor oil.

Why synthetic? Because synthetic lubricants are superior to conventional petroleum lubricants. Petroleum lubes are refined from crude oil, a natural substance pumped from the earth and containing diverse chemicals. Some of the chemicals in petroleum oil are detrimental to the lubrication process and to the lubricated components. For example, some petroleum oil chemicals invite oxidation in high temperature operations. Oxidation quickly destroys lubricant integrity.

Synthetic lubes, on the other hand, are not refined from crude oil,

but constructed from pure chemicals selected for their ability to lubricate. The purity of synthetic lubricant basestocks significantly reduces lubricant oxidation, which promotes the ability of synthetics to be used in higher temperature applications than conventional lubes may be and promotes their ability to be used for extended drain intervals. In fact, AMSOIL synthetic lubricants are specifically formulated for extended drain intervals.

Synthetics are also free of the paraffins found in conventional petroleum oils. With no paraffin to congeal at low temperatures, synthetics maintain better low temperature fluidity than petroleum oils do, which protects equipment operating in cold environments — even the relative cold of a just-started engine.

The molecular uniformity of carefully selected synthetic lubes promotes superior lubrication and friction reduction, which in turn promotes superior heat control, wear control and energy efficiency. Molecular uniformity also helps synthetics maintain their protective viscosity in high temperature operations, which also promotes superior wear control.

The superior performance and protection afforded your equipment by AMSOIL synthetic lubricants adds up to increased productive time and profits for you.



Transmission and Gear Lubricants

Automatic Transmission Fluid

AMSOIL Synthetic Automatic Transmission Fluid (ATF) is formulated for passenger car automatic transmissions, power steering units and hydraulic or compressor systems calling for ATF.

AMSOIL Synthetic ATF offers superior performance over a greater temperature range than conventional ATFs do, allowing free fluid flow through narrow transmission passageways in cold temperatures and resisting high temperature thickening, sludging and deposit formation in high temperatures.

Gear Lube

AMSOIL offers 75W-90, 80W-90, 75W-140 and 85W-140 synthetic gear lubes for mobile applications requiring extreme pressure protection. All are formulated for passenger car and commercial vehicle transmissions and differentials, including limited slip differentials.

Powershift Transmission Fluid

AMSOIL Synthetic Powershift Transmission Fluids are formulated for heavy-duty powershift transmissions. They are also ideally suited for use in large truck manual transmissions.

AMSOIL Synthetic Powershift Transmission Fluids are compatible with common metallic and non metallic friction materials. Their stable frictional characteristics inhibit excessive brake noise and vibration, clutch slippage, friction surface deposits and design material degradation.

Tractor Hydraulic Transmission Fluid

AMSOIL Synthetic Tractor Hydraulic/Transmission Fluid is formulated for farm and heavy equipment with a common sump for hydraulic fluid and vehicle transmission fluid. AMSOIL Synthetic Tractor Hydraulic/Transmission Fluid is formulated for long-lasting wet brake chatter suppression.



Engine Oils

Diesel Engine Oils

AMSOIL offers 5W-30, 15W-40 and SAE 30 viscosity grade synthetic oils and a 15W-40 grade synthetic blend oil for stationary and mobile diesel engines. All are formulated with 12 TBN (Total Base Number) chemistry for durable

corrosion control. Superior stability in terms of volatility, thermal degradation, oxidation, viscosity retention and TBN retention make AMSOIL synthetic diesel oils ideal for extended drain interval use.

AMSOIL Series 3000 Synthetic 5W-30 Heavy Duty Diesel Oil is the oil of choice for applications requiring superior fuel efficiency or for extreme cold temperature operations.

AMSOIL Synthetic SAE 30 Synthetic Diesel Oil is ideal for applications requiring a straight grade SAE 30 oil, such as Detroit Diesel two-cycle engines.

AMSOIL Synthetic 15W-40 Heavy Duty Diesel and Marine Oil is preferred for most applications requiring diesel formulated oil, and is specifically formulated to control rust and corrosion, suiting it ideally for marine diesel use. AMSOIL Synthetic Blend 15W-40 Gasoline and Diesel Oil is

formulated for use in mixed diesel and gasoline fleets, offering top-notch lubrication and protection at a savings.

Gasoline Engine Oils

AMSOIL offers a wide range of gasoline engine oils. The preferred oil for stationary gasoline engines is AMSOIL Synthetic 10W-30 Motor Oil.

AMSOIL Synthetic 10W-30 Motor Oil is formulated with 11 TBN, providing generous corrosion-fighting capacity for a gasoline engine oil. Its high TBN and superior stability in terms of volatility, thermal degradation, oxidation, viscosity retention, thermal-viscosity competence and TBN retention makes AMSOIL Synthetic 10W-30 Motor Oil ideal for extended drain interval use, a critical benefit for stationary engines in remote locations.

AMSOIL also offers 0W-30, 5W-20, 5W-30, 10W-40 and 20W-50 gasoline engine oils.



Filters

By-Pass Oil Filters

AMSOIL offers by-pass oil filters in single or dual filter element configurations for use in diesel or gasoline mobile or stationary engines. By-pass oil filters subject oil to ultra-fine filtration, removing particles smaller than those typically captured by conventional oil filters. AMSOIL by-pass oil filters also remove water from circulation, something conventional oil filters cannot do.

AMSOIL by-pass oil filtration systems also call for the addition of oil to the engine's sump. The larger than typical volume of oil afforded by the by-pass "spreads the load" better, so each quart rests longer, cools more, stays cleaner and lasts longer.

The AMSOIL Dual Gard By-Pass Oil Filtration System allows mounting of two by-pass filter elements, which allows even more oil in the system and doubles by-pass filter element change intervals.



Other Filters

AMSOIL Dealers are authorized to distribute the complete line of Hastings filters, which includes hydraulic filters, fuel filters and more. Please contact your Servicing AMSOIL Dealer for coverage of all your filter needs.



Oil Analysis



Oil analysis is a maintenance management tool that allows users to monitor equipment condition for maximum equipment life, maximum lubricant drain interval and optimal downtime scheduling. Oil analysis saves users significant money by reducing equipment replacements and repairs, reducing the volume of lubricant purchased and destined for disposal, and most importantly, by reducing equipment downtime.

Oil analysis customers interested in extending their oil drain intervals often “trendline” their oil condition, comparing the results of the most recent report to those of previous reports. Trendlining establishes normal patterns in wear metals content, viscosity, acid content, neutralization ability and other characteristics as specified. Departures from established patterns indicate a change in engine or lubricant condition. The information offered by trendlining may be used to correct abnormal conditions before they cause damage or failure.

Oil Analyzers Inc.

Oil Analyzers Inc. is a fully equipped oil analysis laboratory staffed by highly trained analysts. Oil Analyzers Inc. offers a complete line of oil analysis services, including engine oil analysis, drivetrain oil analysis and industrial lubricant analysis.

Oil Analyzers Inc. normally turns out reports one working day after sample is received. When a time-sensitive condition is detected, OAI calls with the information.

How do I get started?

It's simple. Order an Oil Analyzers Inc. sampling kit. Draw a sample. Complete the testing form and send the sample and form in the Oil Analyzers Inc. box. That's all there is to it. Your report will be faxed or mailed to you. The cost for testing and report return is included in the kit price. Postage paid U.S. return boxes are available.

Will I understand my report?

Oil Analyzers Inc. reports are easy to read and understand. Customer and unit information identify the equipment for which testing was performed. Technical oil data appears in a quick-read chart with multiple entry capacity for trendlining. Easy to understand recommendations are included so you know exactly what you should do with your oil or component to provide the best care for your equipment. The report shows a detailed explanation of tests and results. Oil Analyzers Inc. reports are formatted for clear fax transmission.

Discount

Oil Analyzers Inc. offers a quantity discount over single kit prices.



I credit AMSOIL Compressor Oil with savings in five areas. By helping our compressors run 20°F to 40°F cooler, we no longer need fans and special ventilation systems for heat reduction. With those cooler operating temperatures and the high quality fluid, our valves don't carbon up, so we don't have to replace them as often. Our compressors draw 10 percent less amperage with AMSOIL Compressor Oil. Our oil consumption is way down. And we've gone from three-month to 8000-hour compressor oil drain intervals. Multiply those savings times thousands of compressors and you can see why we're installing AMSOIL Compressor Oil nationwide.

—JOHN SMALL, SEARS



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

