

AMERICA'S FINEST INDUSTRIAL LUBRICANTS



EXTEND EQUIPMENT LIFE
REDUCE MACHINERY DOWNTIME
IMPROVE PLANT PROFITABILITY



Oil for Life

JAX INC. is a USA based, international industrial lubricant manufacturer with expertise formulating high-performance synthetic lubricants, fleet and heavy-duty lubricants, industrial lubricants and biodegradable and food-grade lubricants. Since 1955, JAX has earned a worldwide reputation as a leader in emergent lubrication technology.

The past several decades have seen greater consolidation and shrinking of companies dedicated to new lubricant formulation development, research and production. Major oil companies, which led this process in the mid-twentieth century, are often now simply labels on third-party toll-blended materials. Technical and field support of most have been slashed or eliminated. JAX remains individually old fashioned in our respect and concern for our customers' needs, yet we utilize new-century technologies in product development and support.

Compounded with the finest raw materials and additive chemistries, JAX formulation decisions are based ultimately upon product quality and field performance leading to substantial, verifiable cost savings through extended machine life, reduced downtime and increased production. We react quickly to new opportunities with field teams motivated to solve lubrication issues with innovative tactics and novel chemistries.

Our XACT Fluid Solutions Division designs and manufactures problem-solving systems for automated lubricant handling and application. From arrival on the shop floor to the lube point, these engineered solutions are well thought-out and expertly designed responses to specific lubrication scenarios.

The science of lubrication chemistry and technology is continually evolving. Products that have worked in the past may not be sufficient to provide adequate lubrication today and in the future. To meet new, more technically demanding needs of our customers, we are constantly analyzing the JAX line for opportunities to improve our chemistries, performance and value. This proactive approach to lubrication allows JAX to provide superior products meeting and surpassing the ever-changing needs of industry. We aim to advance the technology of applied tribology and exceed our customers' expectations.

JAX' history of unparalleled customer support and innovative solutions, combined with our experience, technical skills, field service and world-class distribution partners propel it above the competition.



Contents

Oil for Life	2	Metalworking & Way Lubricants	21
Motor Oils	4	Packaging	23
Transmission Fluids	7	Blending Facility	23
Gear Oils	8-9	Aerosols and Alternative Packaging	24-25
Hydraulic Fluids	10-11	Automatic Lubrication	26
Chain & Conveyor Lubricants	12-13	RPM Laboratory Division	28
Compresyn® Compressor Oils	14-15	NLGI Numbers for Grease	29
Refrigeration Vacuum Pump Oils	16	Viscosity Grades for Engine Oils	29
Greases	18-19	Viscosity Reference Chart	30
Specialty Lubricants	20	Index	31

Motor Oils

Modern motor oils are not just the life blood of engines. Advanced high-efficiency and low-emission engines present challenges including wear-protection demands from lower viscosity oils, increased suspended contamination requirements and higher combustion temperatures. JAX wisely selects the highest performing conventional and synthetic base fluids combined with the best additive chemistries for unequalled performance in all engine categories.

Titan Motor Oils **SAE 10W-30, 10W-30LT,** **15W-40, 30, 50**

Exceptional OEM qualified heavy-duty diesel engine oils in the most recent SAE multi-grades and mono-grades. Formulated with Group II isodewaxed base oils for near synthetic level performance, Titan oils provide maximum protection under severe operating conditions. They have excellent low-temperature flow properties and meet or exceed virtually all heavy diesel and gasoline engine manufacturer specifications.* JAX proprietary additive chemistry has been formulated to control long-term carbon depositing and oil consumption resulting in drastically extended engine life, drain intervals and TBOs.

*Complete engine and fleet test data is available.

Maxxum Motor Oil **SAE 5W-30, 5W-40**

Synthetic Blend

Heavy-duty, high-performance synthetic diesel engine oils developed for use under extreme operating conditions in both high-temperature and low-temperature ambient environments. It is fuel-efficient and offers long drain stability in areas where frequent oil drains may be difficult or impossible. Maxxum Motor Oil utilizes the same proprietary additive chemistry as JAX Titan line for unmatched carbon deposit and oil consumption control characteristics. Its proprietary blend of synthetic base oil technologies provides unsurpassed engine cleanliness.

Platinum PCMO Series **SAE 5W-20, 5W-30** **Platinum PCMO Synthetic Series** **100% Synthetic** **SAE 0W-20, 0W-30**

JAX Platinum PCMO Series oils are premium, advanced formula motor oils designed to lubricate the engines of today's gasoline and ethanol (up to E85) fueled passenger cars, vans, SUVs and light-duty trucks. JAX Platinum PCMO Series oils are specially formulated to exceed the latest current API Service Classifications for gasoline service, while also meeting the latest ILSAC GF specification. JAX Platinum PCMO Series oils utilize the highest quality petroleum and synthetic base stocks which, in combination with leading-edge additive technology, deliver exceptional resistance to thermal breakdown, outstanding low-temperature fluidity, and excellent engine protection against wear and deposit formation under the most severe driving conditions.

Premium NGEO

JAX Premium NGEO (Natural Gas Engine Oil), delivers continuous protection in natural gas engines calling for an SAE 40, low-ash lubricant. JAX Premium NGEO substantially extends engine and oil life, while providing exceptional wear and corrosion protection, clean engine operation and reduced operating costs.

YOU PUT THE PARTS TOGETHER.
WE KEEP THEM MOVING.





DESIGNED TO KEEP
BUSINESSES AND IDEAS IN MOTION.

Transmission Fluids

Modern transmission applications are complex and diverse. JAX concentrates its formulary efforts on industrial and heavy-duty off-highway needs, designing higher performing solutions.

Multitran III ATF Fluid

JAX Multitran III is a multi-purpose power transmission fluid formulated to provide unmatched performance in most car and truck automatic transmissions, power steering systems and hydraulic systems.

The unique blend of hydrocracked/isodewaxed Group II base stocks and an advanced additive package demonstrates excellent protection against wear, rust, corrosion and foaming, while maintaining the proper frictional characteristics to provide a smooth, consistent shift for the operator. Please review the current JAX PDS for specific OEM service suitability.

Powertran® Fluids SAE 10, 30, 50

JAX Powertran Fluids are heavy-duty transmission fluids developed for use in various applications, especially those requiring the Caterpillar TO-4 specification. Additionally, JAX Powertran Fluid SAE 50 exceeds Fuller CD-50 performance specifications and is ideal for use in Fuller, Rockwell, Spicer, Fabco, Warner and other large truck manual transmissions.

Unitran® Fluid HD, HD-Red, HD (Filtered)

JAX Unitran Fluid HD series are premium tractor hydraulic/transmission fluids developed for use in off-highway and industrial applications including heavy-duty transmissions, differentials, wet brakes, power take-offs (PTOs), hydraulic systems, power steering systems, and hydrostatic drives. They are compatible with all of the known brands of universal tractor fluid so they can be used to top off fluids in service. Over 200,000 hours of field tests have shown that JAX Unitran exceeds OEM's standards for wear, chatter, brake capacity, PTO performance and filterability. (Unitran Fluid HD Red is Unitran Fluid HD with red dye added.)



Gear Oils

JAX' line of gear lubricants is one of our broadest. The multitude of gear-driven applications in industrial, automotive and off-highway equipment present a myriad of challenges each addressed with specific performance additives, base fluid chemistry and viscosity requirements. Properly selected, JAX gear oils provide wear protection and energy efficiency benefits beyond OEM expectations with formulations blended entirely for performance first.

Multi-Purpose Gear Oils

SAE 85W90, 85W140

JAX Multi-Purpose Gear Oils are compounded to provide high-level performance in on-highway, off-highway and industrial applications where extreme pressure/shock loading situations are present. Applications include transmissions, axles, final drives or any other Extreme Pressure-loaded gearing application that requires API GL-5 specifications. They also meet the requirements of Mack GO-J and MIL-PRF-2105E, GL-4, and MT-1 manual transmission specifications. They have excellent thermal stability, meet the limited slip requirements and incorporate clean gear technology.

Syngear-GL Gear Oils

SAE 75W90, 80W140

100% Synthetic

Syngear-GL are heavy-duty API GL-5 pure synthetic gear lubricants. They can be used in any truck differential or transmission where GL-2 through 5, Mack GO-J, GO-J Plus and MT-1 is specified. They have the advantage of very long drain intervals under severe ambient conditions. They are fuel-efficient under all conditions, especially at very low temperatures. These gear oils can also be used in a wide variety of off-highway and industrial applications where standard mineral-based fluids are not satisfactory.

H-P Industrial Gear Oils

ISO 68, 100, 150, 220, 320, 460, 680

H-P Industrial Gear Oils are made from shear-stable, high-quality hydrocracked/isodewaxed Group II base oils. These high-quality, mineral-based gear oils meet the AGMA EP specs for industrial gear oils. They range from 2 EP through 8 EP and can be used in bevel, helical, herringbone, spur and worm gear units. They offer superior EP protection, antiwear, antifoam, and excellent water separation properties.

Synax EP Industrial Gear Oils

ISO 150, 220, 320, 460, 680

100% Synthetic

JAX Synax EP Industrial Gear Oils are manufactured from shear-stable, high-quality 100% synthetic base oils and are fortified with the most advanced additive technology available to deliver the highest levels of performance in AGMA EP industrial gear applications. They are compatible with mineral gear oils, most synthetic gear oils and typical seal materials. These oils reduce maintenance costs by greatly extending drain intervals, reducing energy consumption and providing enhanced load protection against wear, pitting and rust.

Worm Gear Lube XC-ISO 460

JAX Worm Gear Lube XC is a premium lubricant designed and recommended for use in enclosed worm gearbox lubrication and steam cylinders. It is especially suitable for splash-lubricated, heavy-duty, enclosed worm gear sets and steam cylinders that are subjected to high steam pressures and superheating. The film-forming abilities and thermally stable base stocks provide superior performance in these applications.

Magna-Plate® PIV Gear Oils

ISO 68, 100, 150

100% Synthetic

JAX Magna-Plate PIV synthetic, friction-modified gear oils enhance variator performance, especially in "torque-transformer" applications with high torque loads at low speeds. They help eliminate "stick-slip" and "chatter" which reduce performance and affect manufacturing and product quality. Extensive field trials in paper and printing industries have shown a five to seven times increase in component life and similar reductions in equipment failure and production downtime. These long drain-capable synthetic fluids will greatly reduce downtime and costly overhauls.



Magna-Plate® Gear Oils

90, 140, 90MV, 140MV

Magna-Plate Gear Oils are fully formulated GL-5, E.P. industrial gear oils with molybdenum disulfide (MoS₂) or organo-molybdenum additive systems to enhance anti-scuff and antiwear properties. They provide a tough molybdenum-enhanced lubricating film that resists the wear, pitting and spalling caused by surface distress. Developed as energy-saving gear lubricants for truck differentials, they are used in many industrial applications where operating loads are severe and temperature reduction or energy conservation is a goal.

Syngear Industrial Gear Oils

ISO Grades 22 through 680

100% Synthetic

JAX Syngear Industrial Gear Oils are primarily recommended for gear and bearing applications and circulating systems requiring R&O and/or antiwear additive technology. They prevent wear and protect equipment by maintaining viscosity, resisting thermal and oxidative breakdown, incorporating antiwear additives, preventing rust, and resisting the degrading effects of water. The lighter viscosity grades provide superior protection in high- and low-pressure gear vane and piston hydraulic systems, compressors, high-speed bearings, small gear sets, pumps, high-speed spindles, high-speed gear, and many other industrial applications. Higher viscosity grades beginning with ISO VG 46, meet AGMA specifications for R&O and Synthetic Gear Oil Specifications 1 through 8, respectively, for the lubrication of intermediate-speed equipment where mild shock loading and intermittent service are involved. These applications include machine tools, roller chains, gear reducers, cone drives, large motor bearings, medium-speed ball and roller bearings, blowers and worm gear sets.

Perma-Gear Synthetic Gear Oils

ISO 100, 150, 220, 320, 460, 680

100% Synthetic

JAX Perma-Gear Synthetic Gear Oils are state-of-the-art fluids incorporating the latest developments in 100% PAG synthetic industrial lubrication technology. The inherent properties of PAG fluids improves metal wetting and lubricity properties when compared to traditional petroleum fluids. As a result, JAX Perma-Gear Synthetic Gear Oils can be used in gearbox applications too severe for conventional mineral oil-based lubricants. The superior operating characteristics provide reduced operating temperatures, reduced friction and very minimal gear wear. High film strength offers excellent lubricity for spur, helical, spiral, bevel, planetary and, particularly, worm gear applications. Statistically measurable energy reductions of 3-5% are not uncommon. These fluids exhibit extremely high viscosity indices, improved lubricity and provide long-drain gearbox intervals typically three to four times over traditional petroleum-based fluids.

See JAX Gear Oil Cross Reference Guide for information on Mobil, Chevron, Shell and other specific brands and fluids.

Hydraulic Fluids

The primary job of hydraulic fluids is power transfer, but the myriad of conditions these fluids may encounter is the reason the selection of JAX superior hydraulic oils is broad. Each line is compounded to provide the ultimate in component protection and hydraulic efficiency for its specific intended application. Performance first is the JAX objective.

Premium Hydraulic Oils

ISO 22, 32, 46, 68, 100, 150

JAX Premium Hydraulic Oils are shear-stable, long-life lubricants based on high quality hydrocracked/isodewaxed Group II base oil technology. These oils are formulated with a premium additive system that inhibits oxidation (preventing acid and viscosity increase), inhibits rust and inhibits foam (preventing spongy hydraulics). JAX Premium Hydraulic Oils also contain a very effective zinc-based antiwear/antioxidant additive which prevents wear in high-speed, high-pressure vane and gear pumps while meeting the lubrication requirements of axial piston pumps having bronze-on-steel metallurgy. JAX Premium Hydraulic Oils are for all types of hydraulic pumps operating under the most severe conditions.

Hydra-Plate® Fluids

ISO 22, 32, 46, 68, 100, 150, 220, 320, 460

JAX Hydra-Plate Fluids are made from high quality hydrocracked/isodewaxed Group II base stocks and utilize a premium non-zinc additive system. They prevent wear and protect equipment by maintaining viscosity, resisting thermal and oxidative breakdown, incorporating antiwear additives, preventing rust and resisting the degrading effects of water. The non-detergent, ashless antiwear additives in JAX Hydra-Plate Series provide an additional layer of protection against wear in severe conditions. Rust inhibitors protect critical components against corrosion in the presence of water or process contaminants, antioxidants increase the oil's oxidation resistance, which extends lubricant life, and the foam suppressants prevent unwanted foaming and air entrapment. JAX's unique combination of Group II base oils and additives extends service life while providing clean, problem-free operation.

Premium Hydraulic Oil - Type Z Hydra-Plate Fluid-MV

These are multi-viscosity oils with high SSI, shear-stable polymers that will stay "in grade" for thousands of hours under the most severe conditions in a variety of hydraulic system applications. They contain antiwear additives that protect pumps and motors at both high speeds and high pressures. The benefits of a multi-vis hydraulic fluid cannot be overstated. By using a "year-round" hydraulic fluid, seasonal changeover costs, including labor, downtime, the cost of flushing fluids and the disposal of the old oil, are eliminated. The shear-stable, high-viscosity-index formulation leads to cooler operating temperatures, resulting in longer equipment life. JAX multi-vis hydraulic fluids increase productivity by minimizing mechanical energy losses at start-up and making more hydraulic power available at operating temperatures to do the job in less time. Type Z and Hydra-Plate MV are ideally suited to machinery in severe cold weather or processing plants subject to wide swings in ambient temperature conditions.

Enviro-Guard Hydraulic Fluids

ISO 15, 36, 46, 68

100% Synthetic

JAX Enviro-Guard Hydraulic Fluids are premium synthetic, biodegradable lubricants that meet VGP guidelines. They are designed to maximize hydraulic performance while minimizing environmental impact. The high-quality, biodegradable, synthetic base oils and the latest non-zinc additive technology provide outstanding thermal stability, excellent rust prevention, antiwear protection and good demulsibility properties while eliminating the environmental impact concerns typically associated with mineral oil fluids containing metallic additive chemistry.



Aero-Plate 5606

JAX Aero-Plate 5606 is a premium quality, semi-synthetic, antiwear hydraulic fluid recommended for systems subject to low and wide variations in ambient and system-operating temperatures. The oil will flow freely at extremely low temperatures to allow for easier start-ups, yet it maintains sufficient body at operating temperatures to minimize heat generation, internal pump leakage and wear. Applications include hydrostatic transmissions, automatic screw machines, dock levelers, fluid systems such as numerically-controlled lathes, fine instruments, or where increases in torque due to lubricant thickening cannot be tolerated.

Marine-Guard Blue Series ISO 22, 32, 46, 68, 100

JAX Marine-Guard Blue hydraulic oils are shear-stable, long-life, antiwear lubricants manufactured using the highest quality white mineral oil base stocks. They pass the U.S. Coast Guard Static Sheen Test requirements (as defined in 40 CFR Part 435, Subpart A, Appendix 1). Additionally, JAX Marine-Guard hydraulic oils are non-toxic to aquatic/marine life (as determined by U.S. EPA testing of *Pimephales promelas* (fathead minnow), *Oncorhynchus mykiss* (rainbow trout) and *Mysidopsis bahia* (shrimp) see EPA EPA-821-R-02-012).

Pyro-Flow® EHC **FM Global Approved,** **Fire Resistant, Biodegradable**



Pyro-Flow EHC is a biodegradable, fire-resistant, synthetic lubricant designed to provide outstanding performance in hydraulic and circulation systems. Pyro-Flow EHC is specifically engineered with additive systems to meet or exceed the performance requirements of most hydraulic pump and system builders, while satisfying excellent antiwear characteristics necessary for hydraulic systems operating under high load and high pressures. Pyro-Flow EHC is FM Global-qualified per Approval Standard 6930. Pyro-Flow EHC can replace glycol-water and invert emulsions and phosphate ester-based hydraulic fluids used in fire-hazardous and environmentally-sensitive hydraulic applications. Advantages include substantial increase in component life over the glycol-water and invert emulsions and elimination of health and safety concerns associated with phosphate esters.



Chain and

Pyro-Kote® Series Oil **ISO 32, 68, 220**

100% Synthetic

JAX Pyro-Kote Series fluids are 100% synthetic high-temperature lubricating oils based on novel, proprietary polyol ester technology, providing exceptional wear protection while maximizing cleanliness and component life at elevated temperatures. JAX Pyro-Kote Series fluids provide high operational temperature ranges and unsurpassed thermal and oxidative stability performance. The additive chemistry provides excellent friction-reducing characteristics, while our exclusive, polyol ester synthetics provide unequalled thermal and chemical stability. This virtually eliminates carbon formation in the recommended temperature ranges. These oils are the primary recommendation for use on lithograph chains, manufactured wood presses, heat setting machines, tenter frames, baking oven conveyors and chains, or wherever a lubricant with exceptional high-temperature performance is required.

Magna-Kote® 990 **ISO 68**

100% Synthetic

JAX Magna-Kote 990 provides unsurpassed performance in the field of synthetic conveyor chain lubes. It is the finest high-temp synthetic oven chain lubricant available for applications up to and exceeding 500°F (260°C). It provides extreme chain cleanliness, low volatility and excellent antiwear protection. It is made with a state-of-the-art polyol ester and does not use unstable polymers to build viscosity or viscosity index, resulting in a 'self-cleaning' ability to alleviate carbon and varnish deposits in high-temperature applications.

Pyro-Kote® WPV **ISO 220**

100% Synthetic

JAX Pyro-Kote WPV maintains a liquid lubricating film at elevated temperatures providing substantially longer equipment protection, extended lubrication intervals, reduced lubricant consumption, less smoke and no objectionable odors. The high viscosity index of JAX Pyro-Kote WPV ensures thorough penetration and optimum lubrication at operating temperatures.

Magna-Plate® 200; ISO 46, 150 **Magna-Plate® 200 NM; ISO 46, 100**

JAX Magna-Plate 200 Series lubricants are premium products compounded with molybdenum disulfide (MoS₂) for severe industrial applications, including high loads and conditions that can cause premature wear and failure to heavily loaded industrial chains. JAX Magna-Plate 200 provides excellent Extreme-Pressure (EP) performance and shock-loading protection for a variety of heavily loaded chain and conveyor operations. In addition, the unique Magna-Plate 200 NM is a high-performance version formulated without MoS₂.

Super-Cling Chain Lube with PTFE

JAX Super-Cling Chain Lube with PTFE is the tackiest, most viscous, specially formulated chain lubricant blended by JAX. It is a heavy-duty lubricant composed of large-molecule petroleum base oils, synthetic polymers and additives specifically designed for EP applications found in heavy chain and machine tool (slideway) and gear applications. The combination of base oils, EP additives and suspension-grade solid-film PTFE (Teflon®) offers excellent lubrication protection and enhanced friction-reducing properties, significantly reducing drag and scoring for exceptional performance.

One of the oldest and still most commonly used means of powered transfer in industrial applications are chain drives. Modern chain systems are found in ambient conditions, high temperature ovens and kilns and extreme low temperature cryogenic processes. They may convey light loads at high speeds or items as heavy as truck chassis or sheet rock. JAX chain lubricants are custom compounded solutions almost as numerous as the many chains and conveyor systems they protect.

Conveyor Lubricants

Magna-Kote® 1020 Series **ISO 150, 220**

100% Synthetic

JAX Magna-Kote 1020 Series conveyor lubricants are high-temperature, water-soluble, synthetic-based fluids specifically designed to be compatible with paint and coating systems, including cathodic electrodeposition (E-coat). They provide superior, clean lubrication to conveyor chains and open trolley wheel bearings at elevated temperatures in the automotive and metal-decorating industries. They are ideal in applications where compatibility with water-dispersed and E-coat coatings is required. This would include applications such as open race trolleys, drive chains, sealed rollers and bushings, retractable dog mechanisms, rider plates and wear bars, actuator linkages and many more.

Chain Drive Pin & Bushing Lube

JAX Chain Drive Pin & Bushing Lube provides excellent Extreme Pressure (EP) performance and shock-loading protection for a variety of heavily loaded chain and conveyor operations. In addition, the unique base stock selection ensures lubricant migration to critical friction points, providing superior lubricating performance in pins, bushings and roller applications. It does not contain tackifiers which may attract abrasives, and it does not contain dark solid additives.

Magna-Kote® MLD, S3D

JAX Magna-Kote MLD is a bonded MoS₂-based lubricant in a rapid evaporation-rate carrier. In the dry-film state, JAX Magna-Kote MLD bonds to the surface and withstands extreme temperatures without concerns of flash points and fire points. JAX Magna-Kote S3D utilizes an advanced organo-molybdenum additive system to provide molybdenum-enhanced performance to systems such as centralized lubrication systems that are unable to utilize lubricants containing molybdenum disulfide (MoS₂) solids.

Magna-Kote® 412

JAX Magna-Kote 412 is a bonded MoS₂-based lubricant in a rapid evaporation rate carrier. The dry-film MoS₂ lubricant bonds to the lubricated surface and withstands extreme temperatures without concerns of flash points and fire points. The solvent-based carrier has a relatively low flash point, and the highly refined suspension-grade moly resists settling. The carrier flashes or evaporates off at low temperatures, leaving bonded "dry film" lubrication.

Forming Chain Oil

JAX Forming Chain Oil is a specially compounded lubricant designed for fiberglass-forming conveyor chains operating in ambient to elevated temperature and extremely corrosive environments. It combines superb antiwear and load-carrying abilities with unsurpassed rust and corrosion resistance for use in areas experiencing elevated levels of wear, rust and corrosion.

Compressor Oils



Compresyn® is JAX' complete line of industrial synthetic and partial-synthetic compressor and vacuum pump fluids blended with innovative and patented formulation technologies for heavy-duty industrial applications across the world.

Compresyn® HD PLD Series **ISO 32, 46, 68, 100, 150**

Compresyn HD PLD Series compressor oils are made from high-quality, shear-stable 100% synthetic base oils. They provide long compressor life through reduced component wear, corrosion protection, water resistance and lubricant breakdown resistance. This design helps reduce maintenance costs by extending drain intervals and lowering labor and used product disposal requirements. This multi-functional synthetic oil is recommended for use in single and multistage rotary screw, vane, centrifugal and reciprocating compressor crankcases and cylinders, vacuum pumps, and other compressor applications. It is highly resistant to rust and oxidation with drain intervals of over 8,000 hours in properly maintained equipment.

Compresyn® HD DSR Series **ISO 32, 46, 68, 100, 150**

Compresyn HD DSR Series are diester-based compressor oils with long-life, extended-drain premium compressor lubricants. Based on proprietary technology, these oils significantly improve operational temperatures, hydrolytic stability, oxidative resistance, oil service life, demulsibility and wear protection. The base oils utilized in this formulation incorporate the highest quality shear-stable synthetic diester fluids and are fortified with a premium non-detergent/ashless additive system for maximum protection and superior lubrication at high temperatures and pressures where hydrocarbon-based lubricants break down. Compresyn HD DSR Series compressor oils typically have an 8,000-hour drain interval and are best used in rotary screw or reciprocating compressors.

Compresyn® HD PGE Series **ISO TG, SL, UC**

Compresyn HD PGE Series fluids are synergistic blends of synthetic polyglycols, pentaerythritol esters and selected additives formulated to provide superior performance and extended drain capabilities in rotary screw compressors. Formulated to provide 8,000+ hour drain intervals, these fluids can be run continuously for one year, eliminating fluid and labor-related downtime costs during this time. Compresyn HD PGE Series fluids provide outstanding sealing between the rotors and the stator. Their outstanding thermal conductivity removes the heat of compression, allowing the compressor to run cooler while lubricating the rotary element bearings. Compresyn HD PGE Series fluids are fully formulated synthetic compressor fluids containing no hydrocarbon-based fluids. They are highly resistant to sludge and varnish formation, and provide solvency characteristics for cutting through and dissolving varnish buildup.

Compresyn® HD GTP Series **ISO 32, 46, 68, 100, 150**

Compresyn HD GTP Series fluids are made using a proprietary Tri-Synthetic Blend in order to provide greater lubricity for air compressor applications. Formulated to provide 10,000+ hour drain intervals, this series reduces fluid- and labor-related maintenance costs while providing enhanced equipment protection. Its outstanding thermal conductivity removes the heat of compression, allowing the compressor to run cooler (increasing component life), while lubricating the rotary element bearings. Compresyn HD GTP Series are fully formulated compressor fluids that utilize the lubricating characteristics found in multiple base oils to achieve its highest performance. They are highly resistant to sludge and varnish formation, and provide enhanced solvency characteristics for cutting through and dissolving varnish buildup that may be present in older machines.

Modern manufacturing and processing equipment runs on air. If motor oil is the life blood of an engine, air is the life blood of almost all plant processes. In 2010, JAX acknowledged the stagnant development of new chemistry for compressors by introducing its Compresyn® and Compresyn®HD lines of synthetic compressor fluids dedicated to pushing the envelope of compression performance and chemistry to a next millennium level.

Compresyn® HD PTS Series ISO 32, 46, 68, 100, 150

The Compresyn HD PTS Series is made using high-quality mineral base-oils in order to provide greater lubricity for single- and two-stage air compressor applications. Formulated to provide extended hour drain intervals, they reduce fluid and labor-related maintenance costs while providing enhanced equipment protection for the use in the upper cylinders and crankcases. These oils are used in compressors with high levels of ingestible contaminants or contaminant issues and are designed specifically for two-stage compressor applications. They have drain intervals of over 1,500 hours in properly maintained equipment.

Compresyn® HD EMG Fluid ISO 100

Compresyn HD EMG is made using high-quality ester base oils in order to provide greater lubricity for air compressor applications. Formulated to provide 3,000+ hour drain intervals, Compresyn HD EMG reduces fluid- and labor-related maintenance costs while providing enhanced equipment protection. Compresyn HD EMG is a fully formulated compressor fluid that utilizes the lubricating characteristics found in ester base oils to achieve its highest performance. It is highly resistant to sludge and varnish formation, and provides enhanced solvency characteristics for cutting through and dissolving varnish buildup that may be present in older machines.

Compresyn® HD SKT Fluid

Compresyn HD SKT Fluid is a high-end synthetic silicone compressor fluid specifically designed to replace certain OEM silicone fluids such as Sullube 24KT. Formulated to provide 10,000+ hour drain intervals, it reduces fluid and labor-related maintenance costs while providing enhanced equipment protection. It is designed specifically to withstand the major pitfalls in compressor applications. This fluid is highly resistant to varnish, rust, corrosion, oxidation and wear throughout operation. The silicone fluid has very good lubricity when running in a compressor and allows for long life while in proper operating condition.

Compresyn® HD PGO ISO 150

Compresyn HD PGO is engineered from premium synthetic polyalkylene glycol (PAG) base oil. PGO is designed for use in a variety of air compressors and vacuum pumps. Performance features include low fluid volatility, low pour point, high viscosity index and enhanced wear protection in polar gases and excellent in wet gas compression.



Refrigeration Vacuum Pump Oils

Industrial refrigeration systems, one of the modern marvels of the twentieth century, run primarily on Ammonia (NH₃) refrigerant. JAX has been a worldwide supplier of these fluids for decades developing new chemistries for clean running, extremely long life fluids. JAX innovative vacuum pump fluid technologies enable these fluids, operating under often contaminated environments, to run drain intervals 5-10 times longer than conventional fluids exhibiting lower volatility while improving wear protection and vacuum pump life.

Cryoguard® Plus Fluids **ISO 32, 68**

Cryoguard Plus Fluids are state-of-the-art premium paraffinic refrigeration compressor fluids with excellent low-temperature properties. They are specifically compounded for use in ammonia refrigerant compressors. They also exhibit stability at high temperatures, provide extended equipment life, and are compatible with the seals found in refrigeration systems.

Compresyn® NH₃ **ISO 68**

Compresyn NH₃ is a novel, new, patent-pending, naphthenic-compatible ammonia refrigeration compressor oil formulated for extended life performance in all systems currently using naphthenic-based refrigeration oils. These fluids are virtually wax-free and are formulated to be suitable for ammonia and most halocarbon systems.



Syntec Ammonia **Compressor Oils ISO 32, 68** **100% Synthetic**

Syntec Ammonia Compressor Oils are designed to replace conventional refrigeration compressor oils in extreme low-temperature applications. They are suitable for ammonia compressors that call for mineral or synthetic oil. Other lubricants often used in compressor applications include Hydra-Plate Fluids, Multitran III, and Magna-Plate 62, 64, 66.

Premium R-P Oil HT

Premium R-P Oil HT is specially compounded to alleviate the sludge, carbon deposit and contamination problems in industrial vacuum pumps and auxiliary booster blowers. It is a star performer in areas of high contamination such as packing plants. Long-term high-temperature oxidation resistance provides greatly extended drain intervals and prolonged equipment life.

Compressor Flushing Fluid and **Syn-Vac Flush Fluid**

These fluids are fully formulated compressor lubricants containing synthetic base fluids and a highly dispersant additive system specifically designed to remove varnish, sludge and carbon deposits. They are highly effective in transporting contaminants to the filtration system for removal.

Compresyn® HD EFF

Compresyn HD EFF is a premium synthetic compressor flush fluid designed to alleviate problems with varnish and carbon build-up. Used in a wide variety of applications, this fluid will keep your air compressor operating in top performing condition. It is suitable for fluid changeovers from mineral oils to synthetics in addition to addressing contamination issues.

OUR BUSINESS IS MAKING
YOURS RUN SMOOTHER.



Greases

Magna-Plate® 300

This is a high-temperature grease with enhanced oxidation and antiwear properties, containing 3% technical grade molybdenum disulfide and other solids. JAX Magna-Plate 300 is a polymer-enhanced, high-temperature, lithium-complex grease with the addition of solid-film additives to provide unmatched performance in loaded applications. Its oxidation resistance makes it one of the best multipurpose greases for plants and vehicles with very high-temperature requirements.

Magna-Plate® 500-0, 500-1, 500-2

These greases are heavy-duty, water-resistant greases formulated with the latest developments in additive and polymer technology and a proven lithium 12-hydroxy stearate thickener system to provide the most versatile multipurpose grease currently on the market. Superior water resistance, excellent compatibility with other greases, lube system-friendly and excellent antiwear and EP performance simplify grease inventory and extend greasing intervals.

Magna-Plate® 700-2

This grease was designed specifically to outperform industry-standard and other high-quality greases used by dredging contractors and heavy-duty equipment operators. Providing a non-moly option, this water-resistant grease forms a strong seal against the intrusion of water-borne and airborne contaminants. It meets the most demanding requirements of marine dredging and other high-contamination construction applications.

Dredge-Guard 1 & 2, Magna-Plate 800-2

These greases “stay put” and outperform industry greases currently used in off-highway construction, trucking and dredging operations. Developed for high-load, high-contamination applications, they provide resistance to water wash-out, remarkable high load-carrying protection, extreme-pressure and antiwear characteristics as well as good mobility and pumpability.

Magna-Plate® 1000-1, 1000-2

These greases are high-temperature, polymer-enhanced lithium complex greases formulated with the finest raw materials and most advanced additive technology. Their oxidation resistance makes them one of the best multipurpose greases for plant equipment and vehicle applications with high-temperature requirements. These products demonstrate excellent rust protection, mechanical stability and good compatibility with other greases. JAX Magna-Plate 1000 greases are the finest multipurpose greases on the market for all severe industrial conditions.

Magna-Plate® 1100

Magna-Plate® 1100 HD-PM

This is a state-of-the-art grease formulated with an advanced, proprietary calcium sulfonate complex thickener and carefully selected additive package to provide superior water resistance, excellent antiwear and EP performance, and protection against corrosion caused by salt water, salt air, and atmospheric chemicals. Jax Magna-Plate 1100 meets NSF H2 requirements for use in food and beverage environments. Magna-Plate 1100 HD-PM is formulated using a heavier base oil than Magna-Plate 1100. (HD-PM special order/ batch quantities may apply.)

No single lubricant can be so quickly assessed in an application as grease. Although the primary job of a lubricating grease is certainly to lubricate, it cannot perform that function properly if it does not stay put in the lubricated part. This is grease's job: stay where we put you, keep out contaminants and lubricate effectively. In the formulation process, JAX considers ambient and operating conditions including temperatures, speeds, environment, load and others to determine the ideal thickener chemistry, base fluid features and NLGI Grade. Every JAX grease is formulated to be the top of its thickener class, and all JAX greases stay put!



Magna-Plate® 1200

100% Synthetic

A fully synthetic grease for temperatures up to and exceeding 600°F (316°C). This thermally stable product is formulated with costly synthetic esters and a proprietary base soap to provide excellent oxidation stability and lubrication properties for extended periods at extremely high temperatures.

Pyro-Plate EPN-2

100% Synthetic

This high-temperature, synthetic grease combines 100% high-viscosity synthetic base oils with a proven high-temp thickener for outstanding performance in severe applications that may encounter heavy loads and infrequent re-lubrication.

Poly-Plate® EP-0, EP-2

The high-performance benefits of these greases are so outstanding that we believe it will replace lithium complex as the benchmark, high-temperature industrial grease. This grease has an extremely long life, excellent water resistance and better low-temperature performance than lithium complex greases. It is also recommended for “Sealed-for-Life” and EMB applications.

Ring Grease-XL

This specifically formulated water-resistant grease is made to withstand high-pressure roller applications. Ring Grease-XL shows excellent resistance to both water and acid wash-downs, and lasts up to 30 times longer due to its ability to withstand the extreme pressure between the rings and the drum rollers.

Gear-Guard Synthetic Open Gear Grease

100% Synthetic

The ultimate performance in severe applications, the base thickener and fluid used are inorganic synthetics with temperature ranges to handle the toughest environments. Gear-Guard Synthetic is unsurpassed in the three critical areas of water resistance, film adhesion and wear protection.

Robo-Guard 00

This grease is manufactured with an advanced, proprietary thickener and has exceptional mechanical stability, very high load-carrying ability and remarkable rust and corrosion control. Excellent water condensate resistance and outstanding high-temperature performance characteristics combined with new partial synthetic base fluid makes this an excellent grease for industrial robotic applications.

High-Temp Sock Grease

As an alternative to block grease in paper machine lubrication, JAX High-Temp Sock Grease can save labor costs by eliminating the need for cutting and preparing the block. Additionally, this grease requires significantly less time to change out than block. It dramatically reduces lubrication intervals, thus reducing downtime and making it a very cost-effective grease.

Specialty Lubricants

Specialty Fluids are those that address machinery needs in market segments not typically controlled by overriding OEM specifications, or not large enough in volume to justify additive package development by large additive manufacturers. Specialty Lubricants is an area where JAX' high technology, independent lubricant chemists and formulators are at our best. What would be an insignificant contributor to the bottom line for a major oil conglomerate may be an important piece of business for the independent formulator and an opportunity to showcase JAX' formulary prowess.

Premium Peeler Oils **ISO 46, 100**

Blended for use in Atlas-Pacific peeler oil reservoirs. A high degree of rust and wear protection combined with good demulsibility properties allows easier draining of water and contaminants.

Magna-Plate® 2000

This is a high-viscosity cooker oil with polymer tac additive, emulsifying agent and a high percentage of antiwear additives. It is specially compounded for continuous cookers/sterilizers and steam peelers with Manzel® lubricators.

Magna-Plate® 2100

Magna-Plate 2100 is a high-temperature, non-zinc rotary cooker/sterilizer oil. Benefits include greatly reduced wear and corrosion deposits on bronze packing strips.

Canduo Lubricant

JAX Canduo Lubricant is an emulsifiable lubricant concentrate for use in continuous cookers. It provides the dual benefits of greatly decreased mechanical wear to cooker components and reduced deposits from can and lid coatings.

Air Tool/Rock Drill Oils

These fluids are excellent lubricants for pneumatic and extreme-pressure applications. Formulated to minimize wear and scarring of sliding mechanisms.

Pyro-Plate PFP

Formulated using PFPE base oil with a PTFE thickener system, this grease provides long-term stability and thermal and oxidative resistance.

Pyro-Plate TFS

This 100% synthetic lubricating grease provides outstanding EPDM elastomer compatibility while enhancing the performance and reliability of valves and fittings utilized in the beverage industry.

Moly TP&R

JAX Moly TP&R Lubricant is formulated to provide superior lubricating performance in pin, bushing and track roller applications. JAX Moly TP&R Lubricant provides Extreme-Pressure (EP) performance and shock-loading protection necessary in continuous track operations.



Metalworking & Way Lubricants

Metalworking and metal forming lubricants are used in a variety of metal fabricating industries. JAX fluids are aimed at clean process requirements in applications seeking enhanced wear protection, longer tool life and worker safe chemistry.

Way-Tac Fluids

ISO 46, 68, 100, 150, 220

These are heavy-duty way lubricants developed to lubricate sliding ways in various machine tools. They have specific additives that enhance the adhesiveness of the oil in the ways. They are tacky and practically eliminate slip-stick chatter in sliding ways. Several viscosity grades cover a wide range of both high-speed and low-speed applications.

Syn-Form 150FG

This is a high-temperature, 100% synthetic-based fluid compounded for lubrication of metal-forming parts. It is applied during various metal-forming procedures using a very small amount to enhance performance without leaving any residue. This product works best when applied with an automatic lubricating system. XACT Fluid Solutions, a division of JAX, can help with providing an application system to fit your needs.

Parts Wash Solvent

A general-purpose hydrocarbon-based parts cleaner specifically formulated for use in recirculating and cleaning units.

Aqua-Guard XLC-FG

This is a next-generation metal-forming lubricant incorporating the latest developments in lubrication technology. It provides a more consistent lubricating film, improved efficiency, and longer tool life.

Magna-Kote® 467 FG

This metal-forming lubricant has exceptional metal-wetting characteristics and provides improved finish, minimizing burning and preventing loading of forming components. Developed specifically for use in can-beading and can-flanging machines, it meets the demanding lubrication requirements of all types of can-manufacturing equipment wherever an NSF-H1 registered lubricant is required.

Tool Life Cutting Oil

Tool Life Cutting Oil produces the finest precision work in all types of alloy material tapping, drilling and reaming. This oil has been used successfully on stainless steel 300-400 series, aluminum, brass, soft copper, high carbon steels, magnesium, beryllium, copper, titanium, phosphor bronze, chrome-moly and many plastics.



A scenic landscape at sunset. The sky is a vibrant orange and yellow, with the sun low on the horizon, creating a strong lens flare. In the foreground, a winding asphalt road curves through a valley. Several cars are visible on the road. The background features a range of mountains under the hazy, golden light of the setting sun. The overall mood is serene and dramatic.

SAFETY RULE #1:
NEVER CUT CORNERS.

Packaging

JAX INC. has made a corporate commitment to maintaining ample and sufficient inventory to fill most small orders within 24 hours and larger truckload-sized orders within one week. We have the capability to compound emergency orders and provide a level of service previously unknown in our industry. Bulk lubricant delivery services are available nationwide.



One-Way Totes

275 Gallon - 2000 Pounds
110 Gallon - 800 Pounds

Steel Drums

55 Gallon - 400 Pounds

Steel Kegs

16 Gallon - 120 Pounds

Plastic Pails

5 Gallon - 35 Pounds

Gallon Containers

4 Per Case

Motor Oil Quart Containers

12 Per Case

Grease Cartridges

50 Per Case / 5 10-Packs Per Case

Aerosol Cans

12 Per Case

Trigger Spray/Yorker Bottles

12 Per Case

Blending Facility

Manufacturing the highest quality industrial and synthetic lubricants in the world is priority one at JAX. With nearly 100,000 gallons of daily blending capacity, our high-tech facility is second to none.

To ensure unparalleled quality in JAX lubricants, we have installed separate delivery lines to and from all storage vessels to eliminate the chance of cross-contamination. Separate, dedicated pumps are used to transfer food-grade and nonfood-grade products. All batch blends are done in load cell-equipped blenders, controlling raw ingredient portions down to fractions of a gallon.

Of course, all raw materials, packaging and finished lubricants must pass JAX' strict quality control screening before they are accepted into or shipped from our manufacturing plants.

JAX INC. is an ISO 9001:2015 and ISO 21469:2006-certified facility.



Aerosols and Alternative Packaging



Pressure-Lube, Inc., JAX' aerosol packaging company, manufactures JAX premium quality aerosol products for industrial and fleet maintenance. We research and formulate JAX' brand and custom private brand aerosols which dramatically outperform multi-purpose sprays.

PENETRATING OILS

America's Finest Penetrating Oil | JAX101

A blend of the finest oils, solvents, wetting agents and moly formulated to penetrate and loosen more effectively than a torch. Excellent wicking action.

Power Pen | JAX100

This high-performance, environmentally-friendly, light-colored lubricant with PTFE prevents rust, displaces water, lubricates and penetrates.

CHAIN & CABLE LUBRICANTS

Chain Drive Pin & Bushing Lube | JAX102

A foaming, high EP, superb antiwear chain lubricant for areas requiring deep penetrating action in a lighter-colored oil.

Heavy-Duty Chain & Cable Lube | JAX104

A heavy-duty, dual-purpose penetrating lubricant that reduces internal friction and extends chain and cable life with moly and graphite.

Pyro-Kote® 220 | JAX141

Synthetic, oven-temp lubricant with exceptional antiwear performance. Use on dryers, heat-setting machines, tenter frames and oven conveyors and chains.

PLANT, FLEET & HEAVY DUTY PRODUCTS

Lift Truck & Sliding Tandem Lube | JAX106

A combination of two premium greases with moly and graphite to eliminate oil dripping, prevent wear and reduce rust and freeze-ups to -60°F (-51°C).

Snowplow Grease | JAX120

For use on municipal snowplowing equipment for the wing posts and husting hitches.

Jet Fire Starting Ether | JAX115

Highly concentrated for quick starts down to -65°F (-54°C) 85% ether.

DRY FILM LUBRICATION

Protecto-Lube | JAX112

A dry-film moly spray for long-term lubrication and rustproofing.

Dry-Glide® Silicone | JAX108

A dry PTFE dispersion that leaves a clean PTFE powder coating.

Tef-Stef | JAX145

A clean, high percentage silicone formulation for slide ways.

OPEN GEAR LUBRICANTS

Gear-Guard® Synthetic Open Gear | JAX105

A synthetic open gear lubricant formulated to be the most water-resistant, supply the best film adhesion and provide the most wear protection.

Big Jim | JAX206

Thick, high-cling open gear grease spray formulated for the logging industry.

SOLVENTS & CLEANERS

Brake Parts Cleaner | JAX229

Removes brake fluid, grease, oil, road grime and other contaminants.

Electrical Contact Cleaner

Non-Flammable | JAX124

A non-flammable cleaner for electrical and electronic components that is odorless, non-staining and will not harm electrical insulation or plastics.

Stainless Steel Cleaner | JAX123

Cleans and polishes high-luster surfaces and removes water stains, finger prints and oils while leaving surface free of, and resistant to, residue or film.

Peel-Off Degreaser | JAX211

A non-chlorinated degreaser that is more compatible with a greater number of metals, plastics and elastomers.

Green-Clean Cleaner/Degreaser | 00122

Environmentally-friendly cleaner/degreasers for surface preparation, degreasing industrial equipment and cleaning/degreasing.



Automatic Lubrication

XACT Fluid Solutions provides lubricant application and dispensing systems. These systems control the application of the lubricants and extend the life of industrial and food-plant machinery.



ENGINEERED SOLUTIONS

XACT Fluid Solutions' UNILINK® and LINK Series provides custom lubricant application and dispensing systems, extending the life of your machinery. XACT Sniper sensing technology allows your maintenance and production personnel to spend less time worrying about lubrication accuracy and focus on what they do best.

These systems use a logic control cabinet to control volume and frequency of all lube points from one central location. With proper lubrication, you can dramatically reduce downtime and extend your equipment life.

Features:

- Precisely timed lubrication intervals
- Reduced lubricant consumption
- No missed lubrication points or lube cycles
- Reduced energy costs
- Reduce maintenance and clean-up costs

SINGLE AND DUAL-POINT LUBRICATORS

XACT offers a variety of single and dual-point lubricators that provide a perfect solution for hard-to-reach applications like ceiling fans and air-handling systems. These lubricators help to ensure there are no missed lube points or cycles and provide a cost-effective alternative to manual oiling.

Features:

- Battery-operated power
- Delivery pressures up to 350 psi
- 1, 3, and 12-month settings
- Multiple mounting bracket options
- A clear reservoir to view lubricant level

LUBE-GUARD LUBRICANT SAFE STORAGE AND TRANSFER METHODS

The XACT Lube-Guard Program is a multi-faceted approach used to clearly identify each lubricant and its proper application within your plant. Lube-Guard uses color-coding to ensure your plant maintenance team knows the correct lubricant and proper lubrication frequency for each piece of machinery. This color-coded program includes: wall charts, equipment tags, grease gun tubes, zerkl fittings and color-coded caps and labels for Oil Safe® containers.

Safe storage and transfer methods are also put into place to reduce the chance of cross contamination. In addition to Oil Safe Containers, other safe storage and transfer solutions include our Tote-A-Lube Bulk Containment Systems and sampling valves to easily obtain oil samples.

Features:

- Choice of seven colors
- Plant-wide uniformity
- Clean transfer and storage
- Low implementation time and cost
- Tanks, totes, drums, grease guns, tags and charts



AUTOMATION DOESN'T MEAN
YOU HAVE NOTHING TO DO.

RPM Laboratory



RESEARCH & PRODUCT DEVELOPMENT

Our 60 plus year commitment to R&D brings continuously improved products and new technology to market. Our expert chemists, engineers, and lab technicians work tirelessly with customers and industry leaders on product development, predictive maintenance, and used oil analysis. Our flexibility, dedication to continuing education and response time set us apart from the competition.

QUALITY CONTROL

JAX has built a reputation as a worldwide supplier of high-quality, state-of-the-art lubricants. Through the use of the latest lab equipment technology, all raw materials and finished products undergo a complex series of quality control tests to ensure they meet only the highest industry standards.

EXPERT USED OIL ANALYSIS

JAX/RPM Laboratory Division brings innovations and experience to used oil analysis that few, if any, can rival. Testing is performed to ASTM standards by highly qualified technicians using our state-of-the-art equipment that includes the DCP spectrometer, FTIR Analyzer, Kinematic Viscometers, Karl-Fischer Titrator and particle counter, to name a few. We provide accurate and dependable results. This laboratory is located in our state-of-the-art 1800-square-foot research center within our corporate headquarters.

The used oil analysis program at JAX/RPM provides an invaluable tool for extending your equipment and lubricant life. Our color-coded reports make any deviations from machine or lubricant norms easy to spot. A relevant comment section may help direct maintenance personnel to the source of potential problems. Trial Sample Kits are available upon request.

NLGI Numbers for Grease

A scale for the classification of consistency of a grease, based on penetration numbers determined by ASTM Method D 217. Although there are no official “half” numbers (e.g. 2 1/2), it has become a tradition to give such “half” numbers to intermediate grades (e.g. a grease with a penetration range of 230-260 is called a 2 1/2 NLGI). The scale was originally designed by the National Lubricating Grease Institute (NLGI).

NLGI Consistency Number	ASTM Worked (60 strokes) Penetration at 25°C (77°F), tenths of a millimeter
000	445 to 475
00	400 to 430
0	355 to 385
1	310 to 340
2	265 to 295
3	220 to 250
4	175 to 205
5	130 to 160
6	85 to 115

Viscosity Grades for Engine Oils (SAE J300)

SAE Viscosity Grade	Low-temperature (°C) Cranking Viscosity ³ , mPa•s, Maximum	Low-temperature Pumping Viscosity ⁴ , mPa•s, Maximum with No Yield Stress	Low-shear-rate Kinematic Viscosity ⁵ (mm ² /s) at 100 °C, Minimum	Low-shear-rate Kinematic Viscosity ⁵ (mm ² /s) at 100 °C, Maximum	High-shear-rate Viscosity ⁶ (mPa•s) at 150 °C, Minimum
0W	6200 at -35	60 000 at -40	3.8	—	—
5W	6600 at -30	60 000 at -35	3.8	—	—
10W	7000 at -25	60 000 at -30	4.1	—	—
15W	7000 at -20	60 000 at -25	5.6	—	—
20W	9500 at -15	60 000 at -20	5.6	—	—
25W	13 000 at -10	60 000 at -15	9.3	—	—
8	—	—	4.0	<6.1	1.7
12	—	—	5.0	<7.1	2.0
16	—	—	6.1	<8.2	2.3
20	—	—	6.9	<9.3	2.6
30	—	—	9.3	<12.5	2.9
40	—	—	12.5	<16.3	3.5 (0W-40, 5W-40 & 10W-40 grades)
40	—	—	12.5	<16.3	3.7 (15W-40, 20W-40, 25W-40, 40 grades)
50	—	—	16.3	<21.9	3.7
60	—	—	21.9	<26.1	3.7

1 cP = 1 mPa•s; 1 cSt = 1mm²/s.

2 All values are critical specifications as defined by ASTM D3244.

3 ASTM D5293 (cold-cranking simulator)

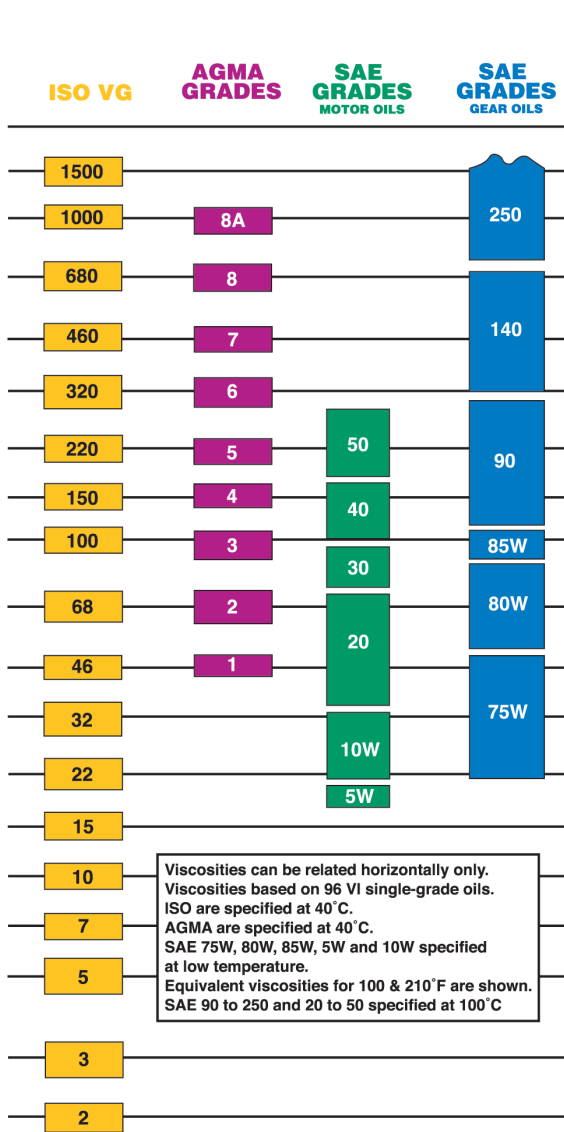
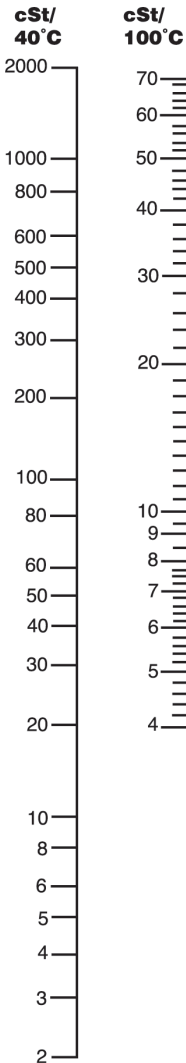
4 ASTM D4684 (apparent viscosity) Note that the presence of any yield stress detectable by this method constitutes a failure, regardless of viscosity.

5 ASTM D445 (kinematic viscosity)

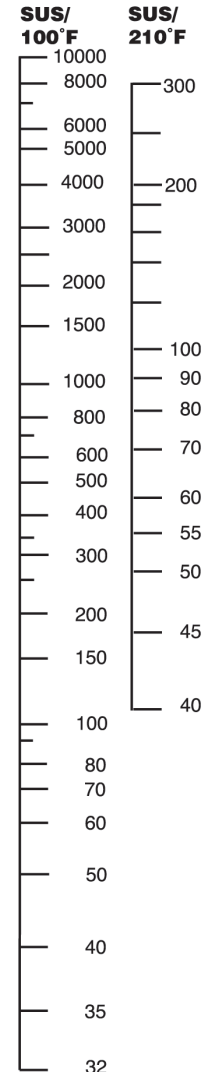
6 ASTM D4683, CEC L-36-A-90, ASTM D4741 (tapered bearing or tapered plug methods)

Viscosity Reference Chart

KINEMATIC VISCOSITIES



SAYBOLT VISCOSITIES



Viscosities can be related horizontally only.
 Viscosities based on 96 VI single-grade oils.
 ISO are specified at 40°C.
 AGMA are specified at 40°C.
 SAE 75W, 80W, 85W, 5W and 10W specified at low temperature.
 Equivalent viscosities for 100 & 210°F are shown.
 SAE 90 to 250 and 20 to 50 specified at 100°C

Index

Aero-Plate 5606	11	H-P Industrial Gear Oils ISO 68-680	8	Powertran Fluids SAE 10, 30, 50	7
Air Tool/Rock Drill Oils	20	Hydra-Plate Fluids ISO 22-460	10	Premium Hydraulic Oils ISO 22-150	10
America's Finest Penetrating Oil JAX101 (Aerosol)	24	Jet Fire Starting Ether JAX115 (Aerosol)	24	Premium Hydraulic Oil-Type Z Hydra-Plate Fluid-MV	10
Aqua-Guard XLC-FG	21	Lift Truck & Sliding Tandem Lube JAX106 (Aerosol)	24	Premium NGE0	4
Automatic Lubrication/XACT	26	Magna-Kote® 412	13	Premium Peeler Oils ISO 46, 100	20
Big Jim JAX206 (Aerosol)	25	Magna-Kote® 467 FG	21	Premium R-P Oil HT	16
Blending	23	Magna-Kote® 990 ISO 68	12	Protecto-Lube JAX112 (Aerosol)	24
Brake Parts Cleaner NC JAX229 (Aerosol)	25	Magna-Kote® 1020 Series: ISO 150, 220	13	Pyro-Flow EHC	11
Canduo Lubricant	20	Magna-Kote® MLD S3D	13	Pyro-Kote® 220 JAX141 (Aerosol)	24
Chain Drive Pin & Bushing Lube	13	Magna-Plate® 200: ISO 46, 150	12	Pyro-Kote® Series Oil ISO 32, 68, 220	12
Chain Drive Pin & Bushing Lube JAX102 (Aerosol)	24	Magna-Plate 300®	18	Pyro-Kote® WPV ISO 220	12
Compressor Flushing Fluid Syn-Vac Flush Fluid	16	Magna-Plate® 500-0, 500-1, 500-2	18	Pyro-Plate EPN-2	19
Compresyn® HD DSR Series	14	Magna-Plate® 700-2	18	Pyro-Plate PFP	20
Compresyn® HD EFF	16	Magna-Plate® 1000-1, 1000-2	18	Pyro-Plate TFS	20
Compresyn® HD EMG Fluid	15	Magna-Plate® 1100, 1100 HD-PM	18	Ring Grease-XL	19
Compresyn® HD GTP Series	14	Magna-Plate® 1200	19	Robo-Guard 00	19
Compresyn® HD PGE Series	14	Magna-Plate® 2000	20	RPM Laboratory	28
Compresyn® HD PGO Series	15	Magna-Plate® 2100	20	Snowplow Grease JAX120 (Aerosol)	24
Compresyn® HD PLD Series	14	Magna-Plate Gear Oils 90, 140, 90MV, 140MV	9	Stainless Steel Cleaner JAX123 (Aerosol)	25
Compresyn® HD PTS Series	15	Magna-Plate PIV Gear Oils: ISO 68-150	8	Super-Cling Chain Lube with PTFE	12
Compresyn® HD SKT Fluid	15	Marine-Guard Blue Series: ISO 22-100	11	Synax EP Industrial Gear Oils ISO 150-680	8
Compresyn® NH3 ISO 68	16	Maxxum Motor Oil SAE SW-30, SW-40	4	Syn-Form 150FG	21
Cryoguard® Plus Fluids ISO 32, 68	16	Moly TP&R	20	Syngear Industrial Gear Oils ISO 22-68	9
Dredge-Guard 1 & 2 Magna-Plate 800-2	18	Multi-Purpose Gear Oils SAE 85W90, 85W140	8	Syngear-GL Gear Oils SAE 75W90, 80W140	8
Dry-Glide® Silicone JAX108 (Aerosol)	24	Multitran III ATF Fluid	7	Syntec Ammonia Compressor Oils ISO 32, 68	16
Electrical Contact Cleaner Non-Flammable JAX124 (Aerosol)	25	NLGI Numbers for Grease	29	Tef-Stef JAX145 (Aerosol)	24
Enviro-Guard Hydraulic Fluids: ISO 15, 46	10	Packaging	23	Titan Motor Oils	4
Forming Chain Oil	13	Parts Wash Solvent	21	Tool Life Cutting Oil	21
Gear-Guard Synthetic Open Gear Grease	19	Peel-Off Degreaser JAX211 (Aerosol)	25	Unitran Fluid HD, HD-Red, HD (Filtered)	7
Gear-Guard Synthetic Open Gear Grease JAX105 (Aerosol)	25	Perma-Gear Synthetic Gear Oils ISO 150-680	9	Viscosity Grades for Engine Oils	29
Green Clean Cleaner/Degreaser	25	Platinum PCMO Series SAE 5W-20, 5W-30 Platinum PCMO Synthetic SAE 0W-20, 0W-30	4	Viscosity Reference Chart	30
Heavy-Duty Chain & Cable Lube JAX104 (Aerosol)	24	Poly-Plate EP-0, EP-2	19	Way-Tac Fluids ISO 46, 68, 100, 150, 220	21
High-Temp Sock Grease	19	Power Pen JAX100 (Aerosol)	24	Worm Gear Lube XC-ISO 460	8



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JAX INC. is a manufacturer of high-technology industrial, synthetic and food-grade lubricants.

Founded in 1955, JAX produces conventional and extreme-performance synthetic lubricants for industrial, manufacturing, transportation, construction, food processing and numerous other industry segments. JAX lubrication products are distributed worldwide.

