



Quality Statement

Xaerus Performance Fluids International Inc. is dedicated to supplying the highest quality industrial lubricants and engineering services that meet the requirements of our Customers.

We ensure that we will pursue the highest standards of environmental control and ethical behavior to meet these quality requirements.

Contact us

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ABOUT XAERUS

Xaerus Performance Fluids International was created to combine the talents of World Class specialty lubricant development and manufacturing with World Class application engineering and technical service. The products manufactured in our modern facility located in Midland, MI USA are among the highest quality, best performing industrial lubricants available. Our expanding global distribution and logistics network allows efficient and reliable supply to most any region.

COMMITMENT TO INNOVATION

Xaerus technology and customer connectivity is ever evolving to continually create value for the customers we serve. Whether it is a new product to solve a tough problem, a creative package solution, or regional supply, we are committed to relentlessly pursue perfection.

Xaerus is committed to provide the highest quality, best performing products possible to all customers. This is backed by our experienced staff dedicated to the advancement of lubrication technology, service when you need it and a commitment to our customers' success.

PRODUCT QUALITY

Xaerus is committed to provide the highest quality specialty products possible. All raw materials are carefully tested during development to assure their consistency and quality meet our qualification for many specialized applications.

In house QC, backed up by Third Party laboratories assure our quality is never compromised. Our modern manufacturing facility features dedicated stainless steel blend systems to eliminate cross contamination of fluids.

Our Quality System is based on decades of experience in the design, manufacture and packaging of high performance products for applications that require long life and protection to multi-million dollar systems.

TECHNICAL SERVICES

Xaerus is dedicated to provide unmatched technical service before, during and after the sale of our products.

Proprietary Lubricant Formulation - At Xaerus we realize not all OEM and customers' systems are the same. Creating value to set you apart from your competition is expected and welcomed. We can design specialty lubricants for private label to optimize efficiency, extend equipment life and create sustainable value for the customers we serve.

Application Engineering - Our experienced Applications Engineers have decades of combined experience developing and applying specialty synthetic lubricants into some of the most demanding applications. Proprietary engineering programs and tests we developed can model and predict performance in a variety of applications. OEMs and system packagers rely on our lubricant expertise to design and build their own systems to assure optimal performance and reliability.

LUBRICANT ANALYSIS

Our state of the art analytical equipment and knowledge of lubricant properties is critical to supporting the customers we serve. Contact us for more information.

XAERUS AND THE ENVIRONMENT

All Xaerus manufacturing procedures, resources and materials are selected for extended life and recyclability or biodegradability. Our formulators are conscious of the hazards to humans and the environment that can be caused if our products are not designed, produced or applied properly. We are dedicated to produce non-toxic, non-hazardous long life fluids all required to preserve the health of people and our planet.

We are proud of our Zero Emissions plant that results from our proprietary manufacturing methods and procedures incorporated to produce our products. All packaged materials we use are recycled locally or re-used whenever possible.



REFRIGERATION COMPRESSOR LUBRICANTS

Refrigeration Compressor Lubrication requires the highest quality raw materials and formulation expertise to assure proper lubrication over the lubricant life required by OEMs. Xaerus has partnered with industry experts in the field of physical and analytical chemistry to develop, test and qualify our lubricants that meet or exceed the industry standards required. You can be assured all Xaerus fluids will perform in any and all commercial systems, in all compressor types and brands. We can even develop something new if required.

Applications include:

Ammonia, R-22 Industrial Chillers / Air Conditioning, CO₂, Hydrocarbons – ethane, ethylene, propane, propylene, butane, R-134a, R-404A, R-407C, R-410A

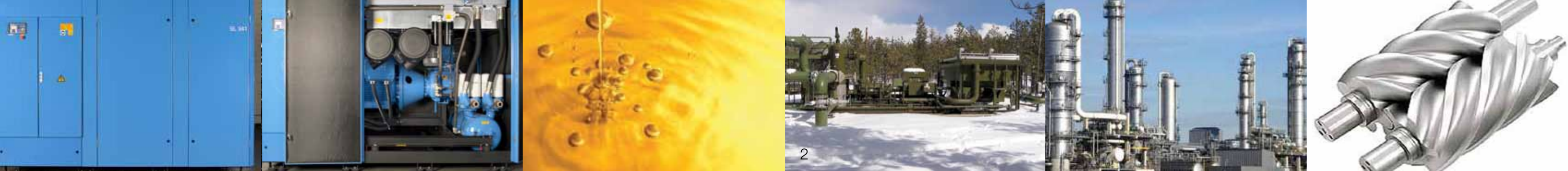
Recommended Product	Refrigerant	Base Oil	ISO Viscosity Grade	Compressor Type
XR 108-68	Ammonia	PAO	68	Reciprocating, Screw
XGF 124-68*	CO ₂ , CO	PAO	68	Reciprocating, Screw
XR 208-68	Ammonia	Highly Refined Mineral	68	Reciprocating, Screw
XR 212 Series	R-22, R-123, R-414A	Wax-free Naphthenic	32, 55, 100	Reciprocating, Screw
XR 434 Series	R-134A	PAG	46, 100, 135, 150	Automotive A/C
XR 522 Series	R-22	POE	85, 150, 320	Reciprocating, Screw
XR 532-3MAF	R-134A, R-404A, R-507, R-407A, R-407C, R-410A	POE	32	Copeland Approved Reciprocating, Rotary Scroll
XR 534 Series	R-134A, R-404A, R-407C, R-410A	POE	32, 68, 100, 120, 170, 220	Reciprocating, Screw Scroll, Rotary
XR 600 Series	MP39**, MP66**, HP80**, HP81**, Ammonia, R-22, R-123, R-502	Alkyl Benzene	32, 68, 100	Reciprocating, Screw

INDUSTRIAL LUBRICANTS

Xaerus has a complete offering of Group II, Group III and synthetic based lubricating fluids and greases designed to perform in the most demanding operating systems and environments. Our contemporary knowledge of high performance basestocks and additive systems is the base upon which we develop some of the most advanced lubricants available - anywhere. Applications include: Industrial Lubricants

Xaerus specializes in synthetic lubricants for demanding applications including extreme temperatures and pressures where high performance synthetic products offer significant performance advantages compared to conventional mineral oils. Their low sludge and solid formation properties make them ideal in high temperature applications and their exceptional low temperature properties are advantageous in cold ambient environments where start up viscosity and oil flow is a concern. Xaerus offers products that can be used in harsh chemical environments including vacuum pumps and mechanical seals where reactive chemicals are often encountered. Xaerus' product line includes a complete line of NSF certified food-grade lubricants for use in food plants.

Product	Base Oil	ISO Viscosity Grade	Applications
XIF 113 Series	PAO	5, 15, 22, 32	Mechanical Seal Barrier Fluid
XIF 117 Series	PAO	100, 150, 220, 320, 460	Food-Grade Gear Oil
XI 120 Series	PAO	100, 150, 220, 320, 460, 680, 1000	Sulfur Free Gear Oil
XI 130 Series	PAO	100, 150, 220, 320, 460, 680, 1000	Heavy Duty Gear Oil
XI 137 Series	PAO	100, 150, 220, 320, 460, 680, 1000	Heavy Duty Gear Oil with Micropitting Protection
XIF 178 Series	PAO	68	Food-Grade Freezer Chains
XV 201 Series	Group II Mineral Oil	22, 68, 100, 150	Vacuum Pump
XIF 238 Series	Group II Mineral Oil	32, 46, 68	Food-Grade Hydraulic Oil
XI 518 Series	POE	220, 280, 320	High Temperature Chains



AIR COMPRESSOR LUBRICANTS

Plant air is critical to any manufacturing process and reliable compressor operation is often dependent on the performance of the lubricant. Xaerus has developed reliable synthetic and semi-synthetic lubricants that will keep compressors clean, efficient, and protected against wear and corrosion. Our chemists and engineers have decades of experience in formulating, testing performance lubricants for most any compressor type and most expected drain intervals. Biodegradable and Food Grade Lubricants are formulated to meet the health and safety of people and the environment.

XA Series Air Compressor Lubricants

Product	Base Oil	ISO Viscosity Grade	Typical Drain Interval	Compressor Types
XAF 100 Series	PAO	32, 46, 68	4000	Food-grade Rotary Screw
XA 101 Series	PAO	32, 46, 68	8000	Rotary Screw
XAF 110 Series	PAO	32, 46, 68	6000	Food-grade Rotary Screw
XA 201 Series	Group II Mineral Oil	32, 46, 68	4000	Rotary Screw
XA 442 Series	PAG	27, 32, 46	8000	Centrifugal, Rotary Screw
XA 500 Series	POE	68, 100, 150	12000	Reciprocating, Rotary Vane
XA 501 Series	POE	32, 46, 68	12000	Rotary Screw
XA 701 Series	Group III Mineral Oil	32, 46, 68	6000	Rotary Screw
XA 800 Series	Diester	68, 100, 150	8000	Reciprocating, Rotary Vane

PROCESS/HYDROCARBON GAS COMPRESSOR LUBRICANTS

Xaerus Chemists and Engineers are recognized globally as experts in development and application of the most advanced and reliable compressor lubricants by compressor OEMs and design engineers. This industry knowledge and experience supported with World Class application engineering and technical service make Xaerus the logical choice for factory fill and aftermarket supply.

Expertise includes compressors in the following markets:

- Process Gas Compressors
- Inert Gases (nitrogen, argon, hydrogen, carbon dioxide, helium)
- Reactive Gases (hydrogen chloride, methyl chloride, hydrogen sulfide)
- Hydrocarbon: (ethylene, propylene, butylene, methane, ethane, propane, butane...)

XG Series Gas Compressor Lubricants

Product	Base Oil	ISO Viscosity Grade	Applications
XG 101 Series	PAO	68, 100, 150	Turbine Feed Gas
XG 114 Series	PAO	68, 100, 150	Inert Gas
XG 205 Series	Group II Mineral Oil	68, 100, 150	Gas Gathering, Light Hydrocarbon Gas Sour Gas
XG 210 Series	Group II Mineral Oil	68, 100, 150	Gas Gathering, Light Hydrocarbon Gas
XG 407 Series	PAG	68, 100, 150	Heavy Gas, Sour Gas
XG 415 Series	PAG	68, 100, 150	Heavy Gas, Sour Gas
XG 416 Series	PAG	68, 100, 150	Propane
XG 800 Series	Diester	68, 100, 150	Inert Gas