



XAERUS[®]
Lubrication/Innovation[®]



PT. DWI CENTRO PERKASA
Delivering Commitment & Performance

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xaerusfluids.com

XAERUS Performance Fluids

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.

Our core values are:

- Deliver superior products to the market with high velocity that create value for our customers.
- Provide market leading technical expertise to our customers.
- Customer focused innovation and creative solutions will create value and assure our customers' success.

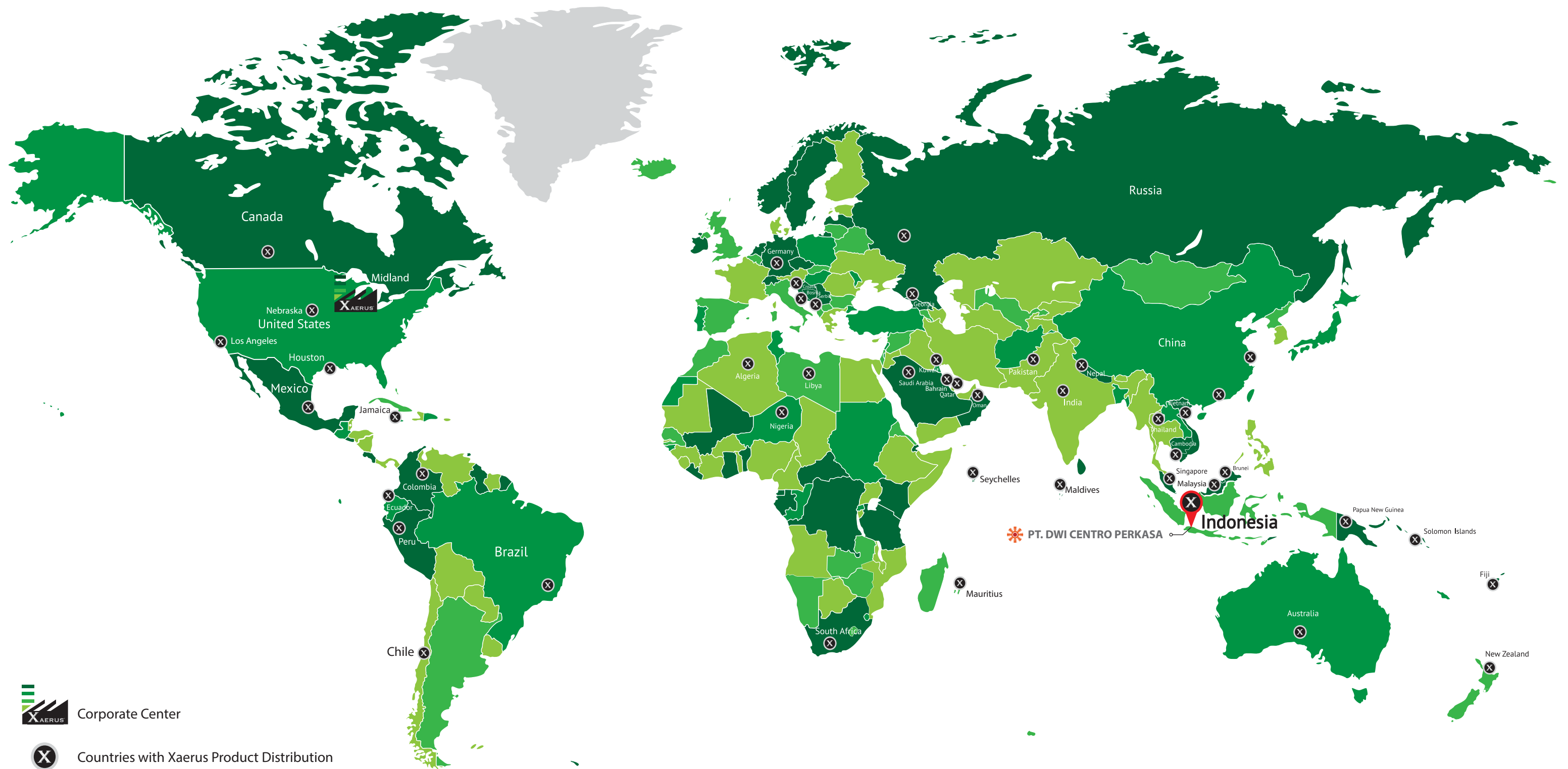
Commitment to Innovation

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.

Commitment to Excellence

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

XAERUS[®]
Lubrication/Innovation[®]



South Asia

Nepal India
Pakistan Maldives

East Asia

China
South Korea

Pacific Countries

Australia New Zealand
Fiji Solomon Islands
Papua New Guinea

Southeast Asia Countries

Indonesia Singapore
Brunei Thailand
Cambodia Vietnam
Malaysia

Eastern Europe Countries

Serbia Montenegro
Bosnia Georgia
Croatia Russia

Western Europe

Germany

Central & Latin American Countries

Brazil Ecuador
Chile Jamaica
Colombia Peru

North American Countries

Canada
Mexico
United States

Middle East & African Countries

Algeria
GCC (UAE, Saudi Arabia, Bahrain, Kuwait, Qatar & Oman)
Libya
Mauritius
Nigeria
Seychelles
South Africa

Xaerus Locations

Xaerus Corporate Center /
Distribution Center
2825 Schuette Rd.
Midland, MI 48642 USA

PERFECTION IN REFRIGERATION & COMPRESSOR LUBRICATION

XAERUS

ALWAYS EVOLVING TO CONTINUALLY
CREATE VALUE FOR **OUR CUSTOMER**



Proprietary Lubricant Formulation

At Xaerus we realize not all OEMs 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.

Xaerus customers provide us with information regarding issues in the field or performance aspects that they would like to improve. Xaerus works closely with our customers to develop products to improve the performance of their equipment. Xaerus receives input from and provides advice to customers at every stage of the development process including bench testing, field testing, product cost and performance requirements. This close collaboration ensures that the products we develop are optimized for our customer's needs.

Lubricant Analysis

Lubricant analysis has become recognized as a critical component of any plant maintenance program. Xaerus Laboratory services have expanded to include state of the art analytical instrumentation to analyze the condition and performance of most any lubricant. We can design private label programs for OEMS or customers. Available tests are detailed below.

Xaerus chemists and engineers receive input from our customers regarding their application, lubricant and goals of their oil analysis program. Based on this input, Xaerus recommends meaningful tests, lubricant property limits, and oil analysis intervals. Customers send oil samples for testing. When the oil analysis results are received, Xaerus comments on the results of the tests.

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.



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 lubricants are not designed, produced or applied properly. We are dedicated to produce non-toxic, non-hazardous long life fluids required to preserve the health of people and our planet.

Extended service life is inherent to our products. This results in reduced replacement, disposal and transportation costs and the waste of resources associated with each.

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.

XAERUS

PERFORMANCE FLUIDS PRODUCTS



Lubrication/Innovation[®]

Industrial 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.

Industrial 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. Our products cover all compressor types (rotary screw, rotary vane, reciprocating and centrifugal).

Food Grade Lubricants



Xaerus Food Grade Lubricants are listed by **NSF** for H1 applications (lubricants with incidental food contact) that also comply fully with the USDA and FDA 21CFR 178.357 requirements. We offer a broad and unique Food Grade product line that meets the high standards and demands of any Food Grade application. These products are exclusively and individually formulated for the highest performance in all applications.

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 base stocks and additive systems is the base upon which we develop some of the most advanced lubricants available anywhere.

XAERUS

PERFORMANCE FLUIDS



REFRIGERATION COMPRESSOR LUBRICANTS

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	Severely Hydrotreated Paraffinic	68	Reciprocating, Screw
XR 209-68	Ammonia	Severely Hydrotreated Paraffinic	68	Reciprocating, Screw
XR 212 Series	R-22, R-123, R-414A	Wax-free Naphthenic	32, 55, 68, 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 Series	R-32	POE	32, 68	Reciprocating, Screw Scroll, Rotary
XR 532-3MAF	R-134A, R-404A, R-507, R-407A, R-407C, R-410A	POE	32	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	Ammonia, R-22, R-123, R-502	Alkyl Benzene	32, 68, 100	Reciprocating, Screw

PROCESS/HYDROCARBON GAS COMPRESSOR LUBRICANTS

Product	Base Oil	ISO Viscosity Grade	Applications
XG 101 Series	PAO	15, 68, 100, 150	Turbine Feed Gas / Vacuum Pump
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

Packing size 1 gal. containers / 5 gal. pail / 55 gal. Drum

*NSF H-1 certified
**Contains Seal Conditioner

XAERUS

PERFORMANCE FLUIDS



AIR COMPRESSOR LUBRICANTS

Product	Base Oil	ISO Viscosity Grade	Typical Drain Interval	Compressor Type
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

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INDUSTRIAL / FOOD GRADE LUBRICANTS

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
XVF 110 Series*	PAO	15, 100	Food-Grade Vacuum Pump
XV 291 Series	Group II Mineral Oil	22, 68, 100, 150	Vacuum Pump
XIF 239 Series*	Group II Mineral Oil	32, 46, 68	Food-Grade Hydraulic Oil
XI 518 Series	POE	150, 220, 280, 320, 460, 680	High Temperature Chains

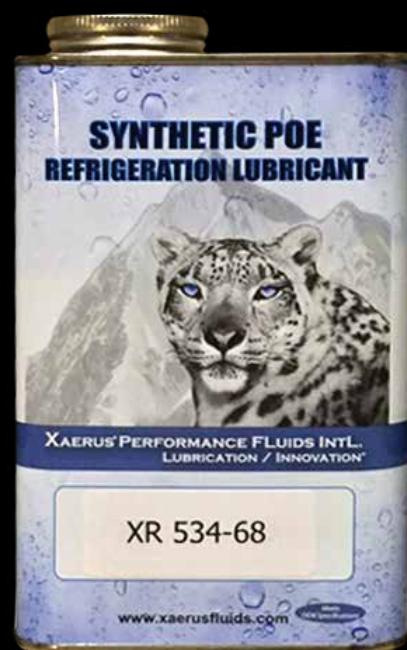
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XAERUS *PACKAGING*



XAERUS[®]
Lubrication/Innovation[®]

***PERFECTION IN REFRIGERATION
& COMPRESSOR LUBRICATION***



***RESEARCH, DEVELOPMENT,
AND MADE IN U.S.A*** 🇺🇸

Package Sizes

- 1 Quart
- 1 Gallon
- 5 Gallon Pails
- 55 Gallon Drums
- 275 Gallon Totes

BROUGHT TO YOU BY:



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