

XAERUS®
Compressor
Lubricants





XAERUS® 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 241 Series	Group II Mineral Oil	32, 46, 68, 100, 150	4000	Rotary Screw
XA 442 Series	PAG / POE	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

*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

+ Halal certified by Islamic Service of America (ISA)

High Performance Air 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 OEM and design engineers. This industry knowledge and experience supported with World Class application engineering and technical service makes XAERUS the logical choice for factory fill and aftermarket supply. Our products cover all compressor types (rotary screw, rotary vane, reciprocating and centrifugal).

Product Features

- Extremely low water content
- Ashless formulation
- High viscosity index and low power point
- Rust and corrosion protection
- Excellent thermal and oxidative stability
- Completely demulsible
- Resist solid formulation
- Low volatility / high auto ignition temperature
- Low sludge and varnish formulation

Potential Benefit

- Maximum bearing, cooler, and equipment life, minimizing maintenance cost
- Improve oil cooler efficiency
- Improved system cleanliness with minimal solid formation
- Better oil flow and less wear at start up
- Wide operating temperature range
- Minimal vapor phase oil carryover to downstream equipment
- Fully Compatible to Replace OEM Oils



XAERUS® XR Series Refrigeration Compressor Lubricants

Recommended Product	Refrigerant	Base Oil	Viscosity (cSt@40°C)	Pour Point (°F/°C)	Flash Point (°F/°C)	Compressor Type
XR 108-68	Ammonia	PAO	68	-65/-54	505/263	Reciprocating, Screw
XGF 124-68*	CO ₂ , CO	PAO	68	-60/-51	518/270	Reciprocating, Screw
XR 208-68**	Ammonia	Severely Hydrotreated Gp II Paraffinic	68	-44/-42	470/244	Reciprocating, Screw
XR 209-68	Ammonia	Severely Hydrotreated Gp II Paraffinic	68	-38/-39	473/245	Reciprocating, Screw
XR 212 series	R-22, R-123, R-414A	Wax-free Napthenic	32, 55, 100, 68	-27/-33	382/200	Reciprocating, Screw
XR 534 series	R-134A, R-404A, R-407C, R-410A	POE	32, 68, 100, 120, 170, 220, 46, 320	-67/-55	482/250	Reciprocating, Screw Scroll, Rotary
XR 600 series	R-22, R-123, R-502, Ammonia	Alkyl Benzene	32, 55, 68	-44/-42	470/244	Reciprocating, Screw

Packing size: 1 qt. / 1 gal. / 5 gal. / 55 gal.

*NSF H-1 Food Grade Certified

** NSF H-2 Food Grade Certified, Formulated with Seal Condition

XAERUS Refrigeration Compressor Lubricants Developed for Performance and Reliability

XAERUS is committed to delivering superior refrigeration lubrication products to the market with high velocity that create value for our customers. This is achieved through a continuing program of product innovation and a constant quest for perfection throughout the entire production process.

With years of accumulated experience, XAERUS refrigeration compressor lubricants are developed to meet the requirements in all makes of refrigeration compressors:

- APV Baker (J & E Hall)
- Bitzer
- Blissfield
- Bock
- Carrier / Carlyle
- Copeland
- Daikin
- Dorin
- Dunham Bush
- Frascold
- GEA Grasso
- Kobelco
- Maneurop
- Mcquay International
- Mycom
- Royce
- Sabroe
- SRM
- Tecumseh
- Thermoking
- Trane
- Vilter
- York



XAERUS® XG Series

XAERUS Gas Compressor Lubricants

Product	Base Oil	ISO Viscosity Grade	Applications
XG 101 Series	PAO	15, 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, 220	Heavy Gas, Sour Gas
XG 416 Series	PAG	68, 100, 150, 220	LNG, LPG
XG 810 Series	Diester	68, 100, 150	Inert Gas, Hydrogen

XAERUS has vast data base and experience working with major Hyrdocarbon Gas Compressor OEMs and End Users





XAERUS® XI Series

XAERUS Industrial Lubricants

Product	Base Oil	ISO Viscosity Grade	Applications
XIF 113 Series*+	PAO	5, 15, 20, 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 Chain
XV 291 Series	Group II Mineral Oil	68, 32*	Vacuum Pump
XIF 239 Series*+	Group II Mineral Oil	32, 46, 68	Food-Grade Hydraulic Oil
XIF 518 Series	POE	150, 220, 280, 320, 460, 680	High Temperature Chains

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Lubrication Knowhow for all Critical Heavy Duty Gear Oil Applications

- Prove experience in gear oil supply for marine applications
- Supplying heavy duty gear oil to shipyards for jack up rigs and marine vessels
- Palm oil mills





SING SWEE BEE ENTERPRISE PTE LTD

(A SUBSIDIARY OF SING SWEE BEE GROUP)

NO. 6, ATTAP VALLEY ROAD, SINGAPORE 759906

T: (65) 6752 2148 F: (65) 6752 1892

INFO@SINGSWEEBEE.COM

SINGSWEEBEE.COM