

QUALITY LUBRICATES.



Anderol® High Performance Industrial Lubricants

80 years of experience, expertise and a global reputation as a manufacturer of High Performance Industrial and Food Grade Synthetic Specialty Lubricants and Greases for Compressors, Vacuum Pumps, Hydraulics, Chains, Gears, and Bearings.

www.anderol.com

X Anderol®

QUALITY WORKS.

LANXESS
Energizing Chemistry

ANDEROL®

INDUSTRIAL LUBRICANTS

Anderol has been a pioneer in the field of synthetic lubricants. As early as 1941, Dr. Robert E. Lee Anderson, Founder of Anderol, developed the first approved synthetic lubricant. In subsequent years, Anderol has been an innovator in the development of synthetic lubricant solutions. Driven by commitment to customer satisfaction, we have designed our products to meet or exceed the increasing demands of the industries we serve - globally. Our products consistently deliver on the promise of maximised equipment performance, reduced downtime and maintenance costs, and minimised waste disposal.

Anderol® Industrial lubricants is a part of LANXESS' portfolio of finished fluids. LANXESS is a global leader in specialty chemicals with 60 sites worldwide and present in 33 countries. LANXESS' lubricant additive business which we are a part of, is headquartered in Shelton, CT, USA with 12 production sites in 9 countries. With technical competence centers in Mannheim - Germany, Nanjing and Qingdao - China, Naugatuck - USA, and in West Hill - Canada, LANXESS provides excellent technical service and research to customers globally.

We have earned the confidence of our customers, largely due to extensive research and development, and technical service capabilities and the ability to work with our customers to offer the most cost effective solutions for their applications.

We welcome the opportunity to discuss our products and services with you and provide you with a tailor-made solution for your critical application.

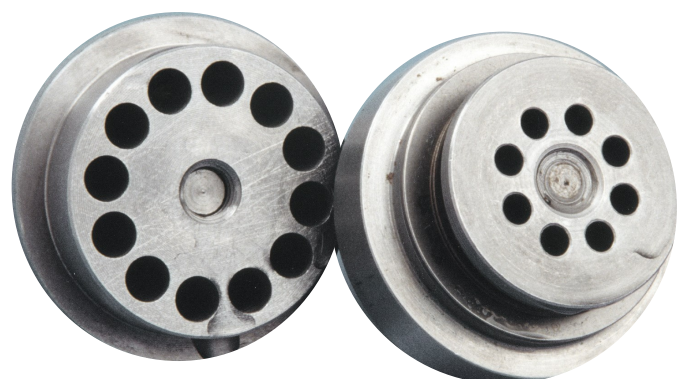
The Benefits of using Anderol® Industrial Lubricants

- Excellent performance
- Extended lubricant life
- Less lubricant used, thus minimised waste/disposal
- Highly efficient protection of equipment
- Low deposit formation
- Extended machinery life
- Reduced down time and maintenance costs
- Tailor made solutions

CHOOSE THE DIFFERENCE

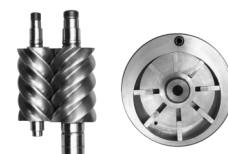


Conventional Lubricant



Anderol® Lubricant

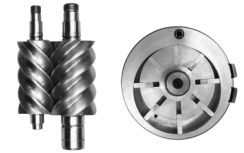
COMPRESSORS & VACUUM PUMPS



Anderol® is a specialist in synthetic compressor lubricants offering a wide range of lubricants for all sorts of compressors, even in special and heavy duty circumstances. Anderol® is the lubricant provider trusted by the world's leading compressor OEMs thanks to the quality of our products and technical service.

Anderol®	Base Fluid	Viscosity ISO VG	Description	Application
1200N 1255	Ester	320 320	Synthetic Reciprocating Compressor Lubricant	Highly recommended as a long term cylinder and crankcase lubricant for reciprocating process, gas compressors and vacuum pumps. For use in applications (excl. H2) in combination with dry nitrogen.
3046	PAO/Ester	46	Synthetic Rotary/ Centrifugal Compressor Lubricant	Oil-flooded screw, axial and centrifugal compressors, applications requiring an oxidation resistant lubricant. Can be used in the presence of following gases: Air, butadiene, carbon monoxide, furnace (crack) gas, carbon dioxide (dry), ethylene, helium, hydrogen, hydrogen sulfide (dry), natural gas, methane, nitrogen, propane, synthesis gas, Sulphur hexafluoride.
SYNcom HiPerf 46	PAO/Ester	46	Synthetic Rotary screw Compressor Lubricant with extreme long life	High Performance Screw Compressor oil with extreme long oil life suitable for Rotary Screw compressors. Very low deposit formation results in clean machinery lubrication.
3057M	PAO/Ester	57	Synthetic Centrifugal/ Rotary/ Reciprocating Compressor Lubricant	Oil-flooded rotary screw compressors, Oil-flooded rotary vane compressors. Can be used for the compression of air, helium and hydrocarbon gases containing fractions of acidic components such as H2S. Especially recommended for railway brake systems. Knorr-Bremse and Sab Wabco approved
3068	PAO/Ester	68	Synthetic Rotary/ Reciprocating Compressor Lubricant	Lubrication of Oil-flooded screw and vane compressors, or any other application requiring an oxidation resistant lubricant. Can be used in the presence of following gases: Air, carbon monoxide, carbon dioxide (dry), ethylene, helium, hydrogen, natural gas, methane, nitrogen, propane, butadiene.
3100 3150	PAO/Ester	100 150	Synthetic Reciprocating Compressor Lubricant for General Purposes	Lubrication of piston and vane compressors, or any other applications requiring an oxidation resistant lubricant. Can be used in the presence of following gases: Air, carbon monoxide, carbon dioxide (dry), ethylene, helium, hydrogen, natural gas, methane, nitrogen, propane, butadiene.
495 496 497	Ester	32 46 68	Synthetic Centrifugal/ Rotary/ Reciprocating Compressor Lubricant	Can be used for the lubrication of: Oil-flooded rotary screw compressors, Oil-flooded rotary vane compressors, axial compressors, centrifugal compressors & vacuum pumps, in the presence of following gases: Air, butadiene, carbon monoxide, furnace (crack) gas, carbon dioxide (dry), ethylene, helium, hydrogen, hydrogen sulfide (dry), natural gas, methane, nitrogen, propane, synthesis gas, Sulphur hexafluoride.
500 555 750 755	Ester	100 100 150 150	Synthetic Reciprocating Compressor/ Vacuum Pump lubricant	Cylinder and crankcase lubrication for reciprocating compressors, vane compressors and vacuum pumps. Can be used in the presence of following gases: Air, butadiene, carbon monoxide, carbon dioxide (dry), ethylene, helium, hydrogen, natural gas, methane, nitrogen, propane.
568	Ester	68	Synthetic Vane Compressor Lubricant	The low pour-point and high film strength provide special protection when operating in start/stop mode in cold weather conditions, e.g. snow blowers.
SYNcom DE HSL 100	Ester	100	Hazard label-free Synthetic Compressor Lubricant	Suitable for vane and piston compressor that require very good resistance in areas where hazard label-free lubricants are required.

COMPRESSORS & VACUUM PUMPS



Anderol®	Base Fluid	Viscosity ISO VG	Description	Application
C-NRT 68	Synthetic	68	Inert Compressor Lubricant	Extremely stable compressor lubricant that provides inertness and long-term lubrication. Withstands all aggressive gases and resists the rapid breakdown. Cylinder and crankcase lubrication for centrifugal and screw compressors for the following gases: Air, butadiene, carbon monoxide, furnace (crack) gas, carbon dioxide (dry), ethylene, helium, hydrogen, fluoride gases, hydrogen sulfide (dry), natural gas, methane, nitrogen, propane, synthesis gas, Sulphur hexafluoride, bio gas. Viscosities 32 and 46 are available on demand.
C-NRT 100		100		
C-NRT 150		150		
RCF-P 68	PAO	68	Synthetic Refrigeration Compressor Lubricant	Ideal lubricant for reciprocating and rotary compressors in refrigeration systems with high pressure and very low evaporation temperatures, due to the combination of excellent lubricating properties, high film strength, very low vapour pressure and total compatibility with ammonia.
S-32	Group III + Synthetic detergency	32	Semi-Synthetic Rotary Screw Compressor Lubricant	Intended for use in Oil-flooded rotary screw compressors, centrifugal compressors and other applications requiring an oxidation resistant lubricant. Normal operating temperature range: -20°C to 180°C.
S-46		46		
S-68		68		
S-100		100		

HYDRAULICS



Anderol®	Base Fluid	Viscosity ISO VG	Description	Application
Bioguard FRHF 46	POE	46	High Performance Biodegradable Fire-Resistant Hydraulic Fluid	Highly recommended for hydraulic systems in high temperature environments that require a greater degree of fire resistance. This fluid is also suitable for applications where environmentally sensitive products are preferred (such as off-road construction vehicles, tunnel construction and machinery). These fluids are readily biodegradable (OECD 301B) and are used in aluminum and steel mills, marine dredging excavators, forestry, and mining.
Bioguard FRHF 68		68	Factory Mutual (FM) approved for product made in the USA	



GEARS

& BEARINGS

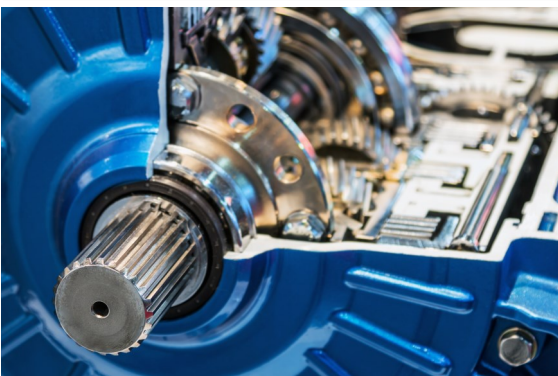


Anderol®	Base Fluid	Viscosity ISO VG	Description	Application
465	Ester	68	Synthetic Lubricating Oil	Impregnating fluid for sintered metal bearings, parts and wicks, measuring and dispensing pumps and meters, anti-friction bearings, mechanical spring and actuator mechanisms, office, computing and accounting equipment, general purpose medium viscosity lubricating oil, wire extrusion oil.
5150	PAO/Ester	150	Synthetic Gear and Bearing Lubricant with GE Wheelmotor approval	Particularly suited for gear applications exposed to extreme service conditions, all types of enclosed gear drives, bearings, including plain rolling elements and anti-friction types, enclosed gear cases and speed reducers.
5220		220		
5320		320		
5460		460		
5680		680		
5150 XEP	PAO/Ester	150	Synthetic Gear and Bearing Lubricant	Particularly suited for gear applications exposed to extreme service conditions, all types of enclosed gear drives, bearings, including plain rolling elements and anti-friction types, enclosed gear cases and speed reducers.
5220 XEP		220		
5320 XEP		320		
5460 XEP		460		
5680 XEP		680		
5999 XEP		1000		
5150 PLUS	PAO/Ester	150	Advanced Technology Gear & Bearing Oils, EP	Particularly suited for gear applications exposed to extreme service conditions, all types of enclosed gear drives, bearings, including plain rolling elements and anti-friction types, applications requiring high micro pitting resistance. Flender and GE Wheelmotor, Hansen, Maag approved
5220 PLUS		220		
5320 PLUS		320		
5460 PLUS		460		
5680 PLUS		680		

CHAINS



Anderol®	Base Fluid	Viscosity ISO VG	Description	Application
2100 HTCL	Ester	100	Synthetic High Temperature Chain Lubricant	Recommended for use in difficult environments and conditions including: Pulsating, heavy loads and/or high speeds, grit, dust, acids and moisture or high temperature. Can be applied by brush, manually, oil bath, pressurized system.
2150 HTCL		150		
2220 HTCL		220		
2320 HTCL		320		
CHAIN OIL XL 220	POE	220	Synthetic High Temperature Chain Oil	Designed for use in tunnel and spiral ovens. Can also be used in the following applications: Conveyor systems, printing and coating operations, wood-forming machinery such as that used in the oriented strand board or plywood industry, other applications requiring a high temperature bearing, cam or slide lubricant.



TURBINES



Anderol®	Base Fluid	Viscosity ISO VG	Description	Application
3832	PAO	32	Synthetic Gas Turbine Lubricant	Meets the requirements of Solar Division of Caterpillar Tractor ES 9-224, Cooper Industries, General Electric Company, and Allison Gas Turbine Division EMS-45 for use in land based gas turbines. Exceptional low temperature performance as well – permitting excellent fluidity during cold start-ups and cold weather operation.

GREASES



Anderol®	Base Fluid	Viscosity ISO VG	Description	Application
794	Ester	13.5	Synthetic Grease NLGI-1.5	Fine instruments, watches, clocks and timing devices, precision anti-friction bearings, office, computing and accounting.
86 EP-2	Mineral Oil	135	Calcium Sulfonate Complex Grease NLGI-2	Excellent mechanical stability, particularly in the presence of heat and water. Formulated to resist separation under centrifugal forces. Excellent rust prevention properties, excellent load carrying ability and wear protection, excellent resistance to water washout and spray-off. Suitable grease for high speed bearings, automotive and truck wheel bearings and chassis components, excellent electric motor bearing grease, heavy duty industrial applications, e.g. steel mills.
OGWR-0	Mineral Oil	500	Open Gear and Wire Rope Grease NLGI-0	Designed for automatic spray lubrication of toothed wheels, gear rings, toothed racks and pinions of any kind under high pressure and temperature operations. Suitable for lubrication of rotary furnaces or similar hot lubricating points even under dusty and wet conditions.
OGWR-0 Spray	Mineral Oil	500	Open Gear and Wire Rope Grease Spray	



CERTIFICATES

& APPROVALS

Anderol B.V. is certified to ISO 9001:2015 and ISO 21469, and has been awarded with Kosher and Halal registrations on its food lubricant plant. Furthermore are all food grade lubricants NSF registered.

For registrations, certificates and approvals please refer to anderol.com

For more information about our products, please consult the Product Data Sheets (PDS) and Material Safety Data Sheets (MSDS).

Anderol® is one of the most respected brands in the lubricants world thanks to the quality of our products. The application of **Anderol®** products cuts maintenance requirements usually by half, improves operating efficiency and increases machine life significantly.

PACKAGING

INFORMATION

Anderol® Industrial lubricants are available in the following packaging*

- IBC 1000 Liters
- Drum 208 Liters
- Pail 20 Liters
- Pail 5 Liters (in boxes of 4 x 5 Ltr)¹
- Pail 1 Liter (in boxes of 12 x 1 Ltr)^{1,2}
- Bulk On demand

¹MOQ may apply for small packaging.

²Not all products are available in 1 Liter pails
Please contact our customer service.

TECHNICAL SERVICE

& SUPPORT

Our technical professionals are ready to assist you globally with your critical application needs. We can provide you with specific advice for your precise circumstances and equipment. We can monitor your equipment, reduce operating costs by reducing down time and maintenance costs, and lengthen oil drain intervals which will reduce waste. Moreover, we can train your team on lubrication and safety. The right lubricant will enhance performance, extend equipment life, save costs and protect the environment.

One of our major assets is the flexibility that we can provide in formulating products and performing (oil analysis) tests to find the best possible solution for your critical application

We will be your partner and provide you with outstanding products and customer service together with our worldwide network of technical service and sales offices, production sites, and distributors.





LANXESS

Energizing Chemistry

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Unless specified to the contrary, the values given have been established or standardized test specimens. The figures should be regarded as guide values and not as binding minimum values. Kindly note that the results refer exclusively to the specimens tested. Under certain conditions, the test results established can be affected to a considerable extent by the processing conditions and manufacturing process.

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