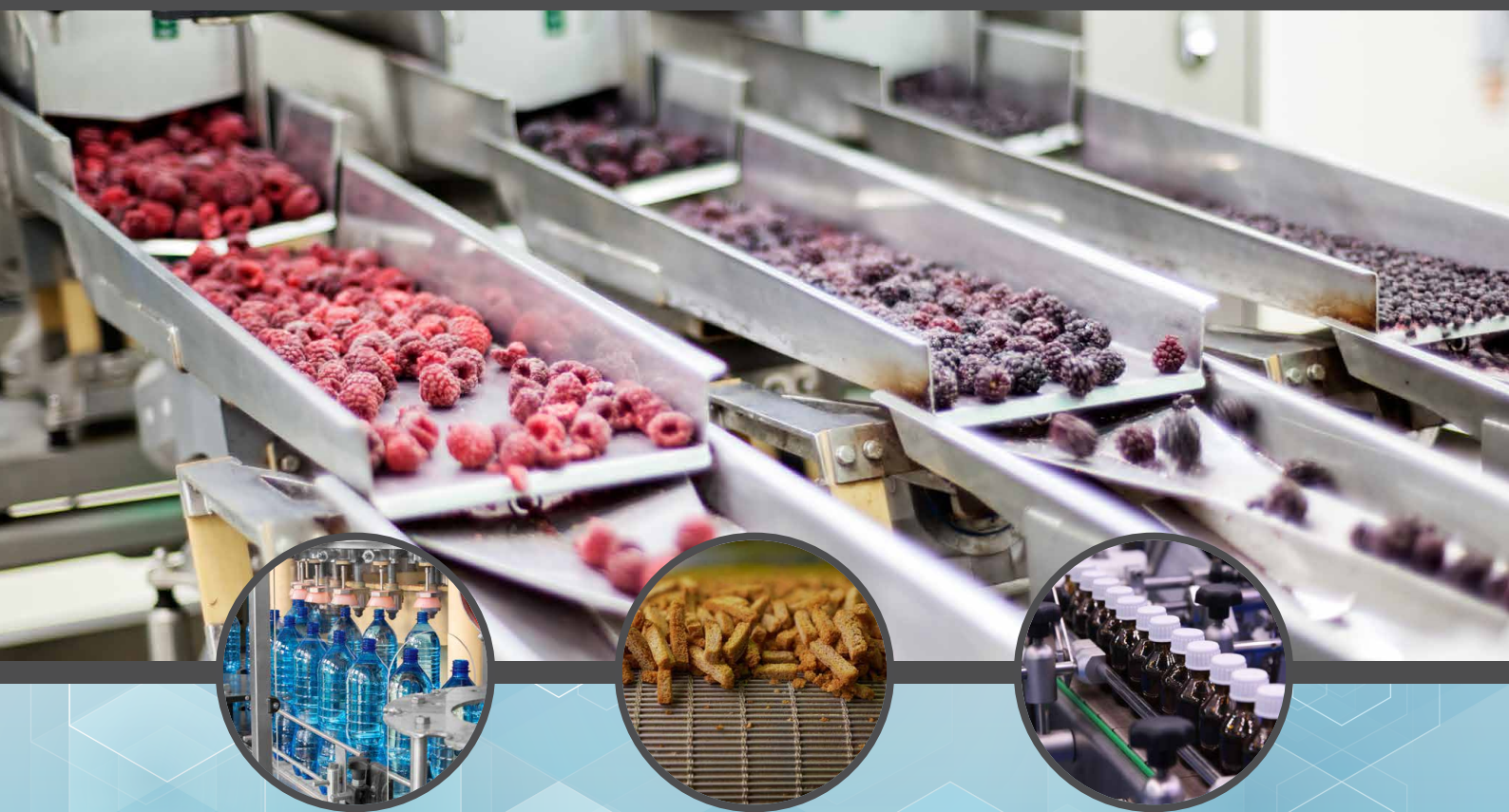


Lubrizol

Oil-Store
co.uk

Authorized Distributor

Lubricants for Food Grade Applications



Lubricants for the Food Industry

Lubricants are necessary to run your food and beverage production facility. You need the right lubricants to keep your facility running efficiently and with minimal downtime. Lubrizol, an established leader in lubricants for the food industry, offers a complete range of lubricants and greases to meet all your plant needs.

Lubrizol offers NSF H1 registered lubricants for “above the line” applications where there is the possibility of incidental food contact. In addition, Lubrizol also offers products registered ISO 21469. For applications where there is no possibility of contact with food, Lubrizol offers a range of NSF H2 registered lubricants, or “below the line” lubricants.

Proven Performance Throughout the Life of the Product

Our lubricants are extensively tested in our laboratories and have field-proven performance. Many food manufacturing plants around the world have used Lubrizol lubricants with confidence in their daily operations. To ensure continued performance, Lubrizol offers in-house oil condition monitoring with 48-hour turnaround from receipt of sample. Our experienced technicians analyze your results and compare them to your fluid’s used oil specification and previous samples. Since Lubrizol manufactures the lubricants, we know exactly how to interpret the results and identify potential issues with the fluid or system.

Engineered to Offer Many Features & Benefits

Lubrizol’s lubricants are manufactured to the highest standard and offer many benefits in operation, including:

- High viscosity index
- Low pour points
- Good demulsibility
- Excellent wear & rust protection
- Good compatibility with elastomers

All of Lubrizol’s high-performance lubricants are designed to increase equipment reliability, reduce downtime and improve throughput to ultimately improve your plant’s efficiency.



Certified Products to Meet Special Demands

Lubrizol aims to provide a comprehensive series of food grade (FG) products that adhere to recognized health & safety regulations. In addition to maintaining NSF H1 & H2 registrations for our FG lubricants, we have also successfully registered ISO 21469 products. Lubrizol has also taken steps to ensure many of our products meet the specifications of several religious or cultural groups. Our kosher & halal certifications allow us to better serve our broad global customer base to meet each important product need.

ISO 21469

Expanding upon the requirements needed for H1 registrations, the ISO 21469 standard addresses the entire lubricant manufacturing process - not just the lubricant itself. In short, ISO 21469 evaluates lubricants in terms of:

- Formulations and label review to ensure ingredient safety and label accuracy
- Risk assessment to ensure the manufacturer has identified and evaluated relevant hazards in the lubricant's manufacture and use
- Production facility audits to confirm adherence to quality procedures and good manufacturing practices
- Analytical testing to verify integrity of product composition

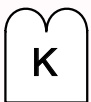
The process evaluates all aspects of the lubricant manufacturing cycle. It accounts for the lubricant and its ingredients, as well as the manufacturing process, handling, packaging and storage. Lubrizol believes in maintaining the highest standards for the health & safety aspects of our products. Offering products registered ISO 21469 adds another layer of confidence for our customers, and peace of mind for food & beverage consumers.

Kosher

Members of the Jewish community of faith require the food and drink they consume to be Kosher, or "fit for use". This process requires not only the food or drink be Kosher, but the entire process used to make the consumables must be deemed kosher as well. To meet these guidelines, the equipment and all of the oils, lubricants & fluids used in the process must be certified by a governing authority – in most cases by a rabbi. Lubrizol offers food grade lubricants that have been certified Kosher/Pareve for use in food processing operations.

Halal

In similar fashion, members of the Muslim community of faith adhere to food & drink requirements according to Islamic Law. Food must be deemed Halal, or "permissible," before it can be consumed. The Halal guidelines also cover the entire process used to process/produce the food – which includes the machines, oils & lubricants involved. Certification is required in order to supply our lubricants to customers in food processing industries. Many of Lubrizol's food grade lubricants are certified Halal by IFANCA (Islamic Food and Nutrition Council of America).



Food Grade Solutions

Lubricants for Compressors

Product	Viscosity Grades	Application	NSF Registered	Base Oil	Description/Recommended Applications
CPI®-1008	68-100	Refrigeration	H2	HTMO	Refrigeration compressor lubricants with patented seal swell technology recommended for ammonia compressors with evaporator temperatures greater than -39°C.
CPI®-1009	32,68, 100	Refrigeration	H2	HTMO	Refrigeration compressor lubricants recommended for ammonia compressors with evaporator temperatures greater than -39°C.
CPI®-4265-F	46-68	Air	H1	PAO/Ester	Superior long life air compressor lubricant designed for use in rotary screw air compressors.
CPI®-4600-F	15-150	Air	H1	PAO	Air compressor lubricants designed for use in rotary screw, rotary vane and reciprocating compressors.
CPI®-4608-F	68-220	Air	H1	PAO	Air compressor lubricants designed for oil free rotary screw, reciprocating and rotary vane compressors. These lubricants may also be used in positive displacement blowers.
CPI®-4624-F	46-100	CO ₂	H1	PAO	Compressor lubricants optimized for use in CO ₂ applications. These fluids are recommended for flooded rotary screw and rotary vane compressors.

Lubricants for Oil Free Compressors

Product	Viscosity Grades	Application	NSF Registered	Base Oil	Description/Recommended Applications
CPI®-4608-F	32-68	Oil Free	H1	PAO	Air compressor lubricants designed for oil free rotary screw, reciprocating and rotary vane compressors.
CPI®-4617-F	68-150	Oil Free	H1	PAO	Gear oils optimized for use in low load, high speed industrial gearing systems, such as integrally gear driven compressors (oil free compressors).
CPI®-FMO	22-68	Oil Free	H1	White Oil	Compressor lubricants optimized for use in CO ₂ applications. These fluids are recommended for flooded rotary screw and rotary vane compressors.

Food Grade Solutions

Lubricants for Hydraulics & Gears

Product	Viscosity Grades	Application	NSF Registered	Base Oil	Description/Recommended Applications
CPI®-FMO	22-460	Hydraulic, Gear	H1	White Oil	Designed with an anti-wear & extreme pressure (EP) additive package, these fluids are recommended for hydraulic pumps, integrally gear driven compressors and gear applications.
CPI®-4608-F	32-68	Hydraulic, Gear	H1	PAO	These lubricants are designed for hydraulic and light gear applications.
CPI®-4608-F	68-220	Gear	H1	PAO	These lubricants are designed for gear applications.
CPI®-4678-F	68-460	Gear	H1	PAO	Gear oils optimized for use in low load, high speed industrial gearing systems such as integrally gear driven compressors.

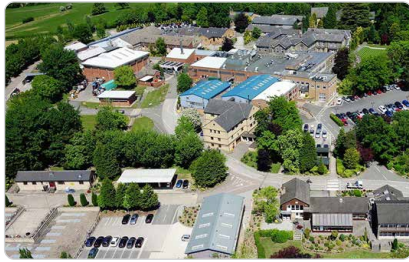
Lubricants for Chain & Barrier Fluids

Product	Viscosity Grades	Application	NSF Registered	Base Oil	Description/Recommended Applications
CPI®-4614-F	5, 32, 68	Barrier Fluid	H1	PAO	Synthetic lubricants recommended for use as sealing/ barrier fluids for chemical processing pumps and compressors.
CPI®-1078-F	68	Chain Oil	H1	White Oil	Chain oils designed to adhere to metal surfaces & prevent throwing off or dripping. Recommended for use in textile, beverage and food processing industries.
CPI®-4617-F	68-460	Chain Oil	H1	PAO	Synthetic lubricants for chain oil applications.
CPI®-4678-F	68, 150, 460	Chain Oil	H1	PAO	Chain oils designed to adhere to metal surfaces & prevent throwing off or dripping. Recommended for use in textile, beverage and food processing industries.



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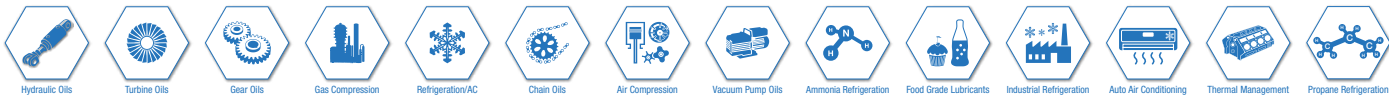


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Lubrizol Spectrum of Solutions

Lubrizol offers a full spectrum of compressor lubricants and industrial fluids designed to meet the demands of a wide variety of applications.



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