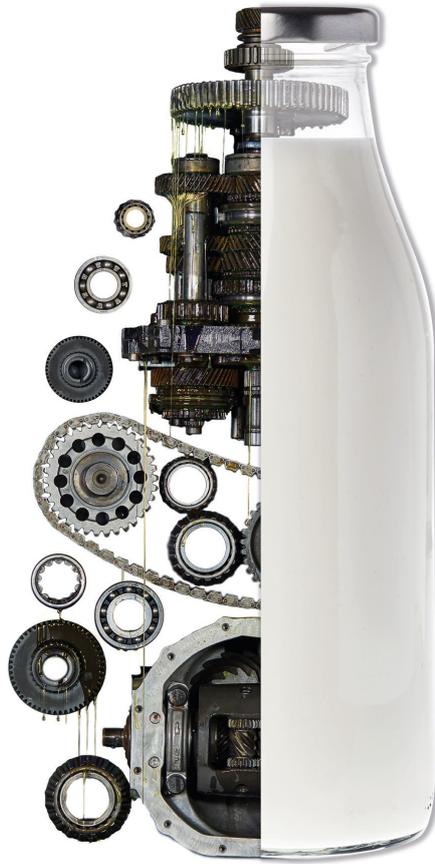


QUALITY LUBRICATES.



Anderol® lubricants for the dairy industry

In the entire dairy industry the use of food safe lubricants is essential to ensure consumer protection and to be compliant with HACCP regulations. Anderol® Food Grade Lubricants maximize equipment performance, efficiency and productivity.

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QUALITY WORKS.

LANXESS
Energizing Chemistry

ANDEROL® LUBRICANT SOLUTIONS

FOR THE DAIRY INDUSTRY

The use of food grade lubricants in the dairy industry is essential for food safety and quality control. Consumer protection is the number one priority, but ensuring that the production process runs smoothly and safely is also essential to dairy product manufacturers.

Anderol® NSF H1 approved lubricants have been specially formulated to be used in food processing environments where there is some possibility of incidental food contact. Anderol® lubricants reduce the risk of contamination of equipment, ensuring the safety of the dairy product throughout every stage of the production process.

Anderol® high-performance, synthetic, food grade lubricants ensure equipment operates safely, facilitate enhanced production efficiency and significantly extend the service life of equipment. Anderol® food grade oils and greases outperform many other leading lubricant brands, particularly in operating conditions where there are extreme temperatures and excess water.

The unique composition of Anderol® food grade oils and greases means there is no food safety risks for the end consumer. Anderol® food grade lubricants meet all HACCP requirements (risk analysis and critical control points). They are NSF registered and Kosher and Halal certified.

Application	Lubrication	H1 approved lubricant
1. Separation and normalization acceptance, pre-treatment, cream separation		
Reducers	Gear oil	Anderol® 6000 series, Anderol®
Chains, Conveyors	Chain oil	Anderol® CHAIN OIL XL 220 FG
Bearings	Grease, NLGI 2	Anderol® 783 / Anderol® FGCS-2
Air compressors	Compressor oil, Food Grade	Anderol® FG XL series, Anderol® SYNcom FG HiPerf 46 Anderol® FG S series



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Application	Lubrication	H1 approved lubricant
2. Production of dairy products: cheese, butter, milk powder, yoghurt, ice cream		
Reducers	Gear oil	Anderol® 6000 series, Anderol®
Chains, conveyors	Chain oil	Anderol® CHAIN OIL XL 220 FG
Hydraulic systems	Hydraulic oil	Anderol® FGH series
Bearings	Grease, NLGI 2 water resistant	Anderol® 783 / Anderol® FGCS-2 HD
Air compressors	Slicing	Anderol® FG XL series, Anderol® SYNcom FG HiPerf 46 Anderol® FG S series
Blades, knives, cutters	Direct contact with the product	Anderol® PQAA PLUS
3. Centrifugation and homogenization		
Gearboxes	Centrifugation	Anderol® 6000 series and Anderol® PQAA series
Bearings	Homogenization	Anderol® FGH Series
4. Pasteurization and sterilization		
Reducers	Mixing and pumping	Anderol® 6000 series and Anderol® PQAA series
Bearings	Pressing	Anderol® 783 / Anderol® FGCS-2 HD
Hydraulic systems	Sterilization, spraying, drying	Anderol® FGH series
Heat exchange systems	Heat transfer fluid	Anderol® PQ CAL



ANDEROL® LUBRICANT SOLUTIONS

FOR THE DAIRY INDUSTRY

Application	Process	H1 approved lubricant
5. Filling, labelling and packaging		
Bearings	Grease, NLGI 2	Anderol® 783 / Anderol® FGCS-2 HD
Reducers	Gear oil	Anderol® 6000 series, Anderol® 6220 spray, Anderol® PQAA series
Hydraulic systems	Hydraulic oil	Anderol® FGH Series
Air compressors	Compressor oil, Food Grade	Anderol® FG XL series, Anderol® SYNcom FG HiPerf 46 Anderol® FG S series
Bearings	Grease, NLGI 2	Anderol® 783 / Anderol® FGCS-2 HD
Central lubrication systems	Grease, NLGI 2	Anderol® 783 / Anderol® FGCS-2 HD
Reducers	Gear oil	Anderol® 6000 series, Anderol®
Drive chains	Chain oil	Anderol® CHAIN OIL XL 220 FG
Hydraulic systems	Hydraulic oil	Anderol® FGH Series
Vacuum pumps	Compressor/vacuum pump oil	Anderol® FG XL series
6. Palletizing, storage, freezing		
Hydraulic systems, gearboxes	Hydraulic oil	Anderol® FGH Series
Bearings	Grease, NLGI 2	Anderol® 783 / Anderol® FGCS-2
Chains, Conveyors	Chain oil	Anderol® CHAIN OIL XL 220 FG
7. Compressors in the entire process		
	Compressor oil	Anderol® FG XL series, Anderol® SYNcom FG HiPerf 46 Anderol® FG S series



ANDEROL® LUBRICANT SOLUTIONS

FOR THE DAIRY INDUSTRY

Anderol® FGCS-2 HD is a PAO based synthetic heavy duty food grade calcium sulfonate complex grease. Ideal for low to medium speed bearings operating under harsh conditions, applications operating during periods of infrequent lubrication, heavy duty food grade applications e.g. presence of water, heat or extreme load. This grease can withstand the frequent water wash-outs.

Anderol® 783 range are synthetic hydrocarbon (PAO) based aluminum complex thickened greases designed for use in food processing machinery. They are non-toxic, high quality general-purpose greases and can satisfy a wide variety of applications, even under high temperatures, high loads and water exposure. Available in consistencies NLGI-0, 00, 1 and 2.

Anderol® FGH range is available in the grades ISO VG 32, 46, 68 and 100.

A synthetic Hydraulic oil based on a mixture of specially selected non-toxic synthetic polyalphaolefins combined with a high performance additive Technology.

Recommended for hydraulic systems in food processing machinery. Also recommended for chains, vanes, canning and bottling machinery.

Anderol® FG XL range is available in the grades ISO VG 15, 32, 46, 68, 100 and 150.

A next generation synthetic compressor and vacuum pump oil based on a mixture of specially selected non-toxic synthetic polyalphaolefins combined with a high performance additive technology. This advanced formulation provides additional detergency properties preventing lacquer and varnish formation.

Recommended for use in rotary-screw compressors and other rotating equipment applications where incidental food contact may occur.

Anderol® 6000 range is available in the grades ISO VG 150, 220, 320, 460 and 680.

A synthetic gear oil based on a mixture of specially selected non-toxic synthetic polyalphaolefins with a specially developed additive system providing excellent oxidative and thermal stability.

Recommended for use in gear sets, excluding Worm Gears *), bearings, circulating oil systems and chains.

*) for Worm Gears **Anderol® 7000 FG range** is recommended.

Anderol® CHAIN OIL XL 220 FG is a high temperature synthetic (PEO) based food grade chain oil. Very suitable for conveyor systems in tunnel and spiral ovens, printing and coating operations, other applications requiring a high temperature bearing, cam or slide lubricant.

Anderol® SYNcom FG HiPerf 46 is an H1 High Performance Screw Compressor oil with extreme long oil life. Suitable for Rotary Screw compressors. Very low deposit formation results in clean machinery lubrication.

Anderol® FG S Series is an H1 semi-synthetic screw compressor lubricant. Available in ISO VG 32, 46, 68, 100.





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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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