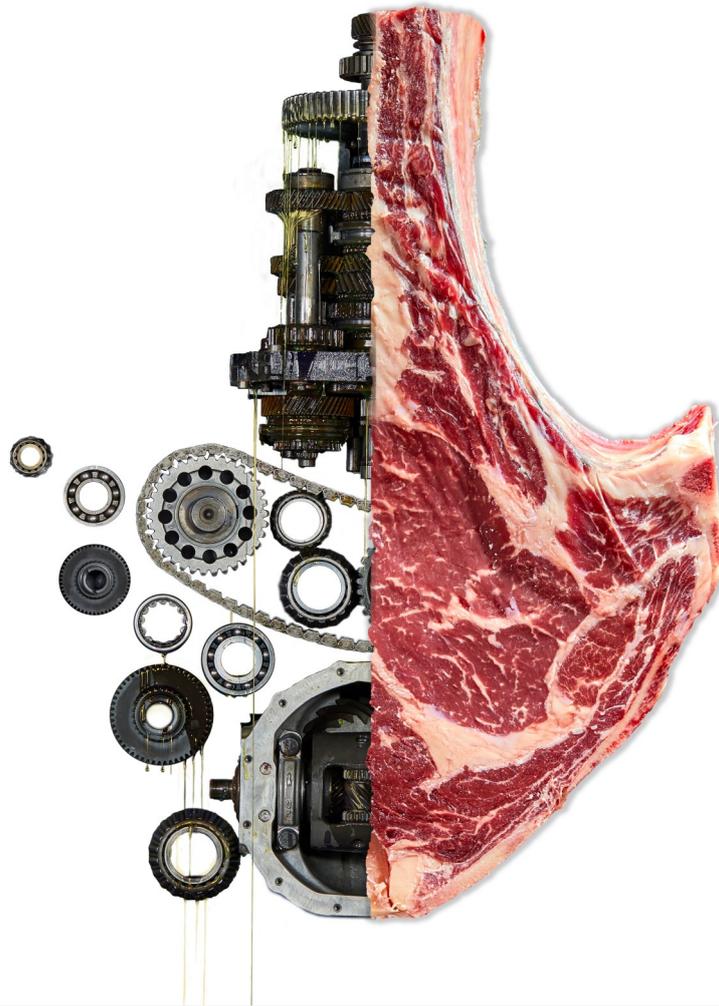


QUALITY LUBRICATES.



Anderol® lubricants for meat processing

In the entire meat processing process 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. anderol.com

X Anderol®

QUALITY WORKS.

LANXESS
Energizing Chemistry

ANDEROL® LUBRICANT SOLUTIONS

FOR MEAT PROCESSING

The use of food grade lubricants in the meat 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 meat processors.

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 meat 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 prove their performance, even 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. Stockyards to slaughterhouse | | |
| Transport chain | Chain oils or Grease NLGI 2, water resistant | Anderol® 6000 series, Anderol® FGCS-2 HD |
| Roller bearings | Grease NLGI 2, water resistant | Anderol® FGCS-2 HD, Anderol® 783-2 |
| 2. Skinning and beheading | | |
| Roller bearings | Grease NLGI 2, water resistant | Anderol® FGCS-2 HD, Anderol® 783-2 |
| Gear box | Gear oil | Anderol® 6000 Series, or Anderol® 7000 Series for worm gears |
| Central conveyor system | Chain oils or Grease NLGI 2, water resistant | Anderol® 6000 series, Anderol® FGCS-2 HD |



ANDEROL® LUBRICANT SOLUTIONS

FOR MEAT PROCESSING

| Application | Lubrication | H1 approved lubricant |
|--|--|--|
| 3. Evisceration and splitting | | |
| Roller bearings | Grease NLGI 2, water resistant | Anderol® FGCS-2 HD, Anderol® 783-2 |
| Gear box | Gear oil | Anderol® 6000 Series, or Anderol® 7000 Series for worm gears |
| Central conveyor system | Chain oils or Grease NLGI 2, water resistant | Anderol® 6000 series, Anderol® FGCS-2 HD |
| Air lines | Air line lubricant | Anderol® ALL 5 |
| 4. Cutting, weighing, grading and forming | | |
| Roller bearings | Grease NLGI 2, water resistant | Anderol® FGCS-2 HD, Anderol® 783-2 |
| Gear box | Gear oil | Anderol® 6000 Series, or Anderol® 7000 Series for worm gears |
| Central conveyor system | Chain oils or Grease NLGI 2, water resistant | Anderol® 6000 series, Anderol® FGCS-2 HD |
| Hydraulics | Hydraulic oil | Anderol® FGH Series |
| 5. Marinating/ brining/ frying | | |
| Roller bearings | Grease NLGI 2, water resistant | Anderol® FGCS-2 HD, Anderol® 783-2 |
| Gear box | Gear oil | Anderol® 6000 Series, or Anderol® 7000 Series for worm gears |
| Central conveyor system | Chain oils for high temperatures | Anderol® CHAIN OIL FG XL 220 |
| Heat transfer system | Heat transfer oil | Anderol® PQ CAL |



ANDEROL® LUBRICANT SOLUTIONS

FOR MEAT PROCESSING

| Application | Lubrication | H1 approved lubricant |
|---|--|--|
| 6. Chilling and freezing systems | | |
| Roller bearings | Grease NLGI 2, water resistant | Anderol® FGCS-2 HD, Anderol® 783-2 |
| Gear box | Gear oil | Anderol® 6000 Series, or Anderol® 7000 Series for worm gear |
| Chain conveyor | Chain oils (low temp) | Anderol® FGH 32 |
| Compressor | Ammonia compressor | Anderol® RCF-P 68 FG |
| 7. Packaging systems | | |
| Roller bearings | Grease NLGI 2, water resistant | Anderol® FGCS-2 HD, Anderol® 783-2 |
| Gear box | Gear oil | Anderol® 6000 Series, or Anderol® 7000 Series for worm gear |
| Chain conveyor | Chain oils or Grease NLGI 2, water resistant | Anderol® series or Anderol® 783-2 |
| Vacuum pump | Vacuum pump oil | Anderol® FG XL Series, Anderol® FG S Series, Anderol® SYNcom FG Hi Perf 46 |
| 8. Compressors in the entire process | | |
| | Compressor oil | Anderol® FG XL series, Anderol® SYNcom FG HiPerf 46 Anderol® FG S series |



ANDEROL® LUBRICANT SOLUTIONS

FOR MEAT PROCESSING

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® 7000 FG range is available in the grades ISO VG 150, 220, 320 and 460.

A high performance product, designed primarily for industrial worm gear applications in the food & beverage industry. It may also be considered as a general purpose gear lubricant or to lubricate chains and ways.

This fluid is a synthetic Polyalkylene Glycol (PAG) based fluid that provides excellent thermal and oxidative stability, load carrying ability and sludge-free operation over a wide temperature range. The PAG base stock is enhanced with a special mixture of additives providing thermal oxidation stability and anti-wear performance.

Recommended for use in worm gears, chains and ways, including high water containing applications.

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® PQ CAL this Food Grade Heat Transfer Fluid is a non-hazardous, non-toxic and odorless heat transfer fluid which is authorized for incidental food contact.

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

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® ALL 5 is an H1 High Performance Air Line Lubricant. Recommended for use in all sorts of pneumatic tools and as a flushing fluid; conveyor line components, controls and all air actuated components.



LANXESS

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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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