

# QUALITY LUBRICATES.



## **Anderol® lubricants for the canning industry**

In the entire canning 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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**X Anderol®**

**QUALITY WORKS.**

**LANXESS**  
Energizing Chemistry

# ANDEROL® LUBRICANT SOLUTIONS

## FOR THE CANNING INDUSTRY

The use of food grade lubricants in the canning 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 food canners.

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
<b>1. Raw material harvesting and transport</b>		
Hydraulic harvesting	Hydraulic oil	Anderol® FGH Series
<b>2. Quality checking</b>		
Roller bearings	Grease NLGI 2, water resistant	Anderol® FGCS-2HD, Anderol® PQAA-2 Plus
Gear box	Gear oil	Anderol® 6000 Series or Anderol® 7000 FG Series for worm gear
<b>3. Cold storing</b>		
Roller bearings	Grease NLGI 2, water resistant	Anderol® FGCS-2HD, Anderol® PQAA-2 Plus
Chain conveyor	Low temperature chain oil	Anderol® FGH 32
Gear box	Gear oil	Anderol® 6000 Series or Anderol® 7000 FG Series for worm gear
Compressor	Refrigeration compressor oil for ammonia refrigerant	Anderol® RCF-P 68 FG
<b>4. Rinsing</b>		
Roller bearings	Grease NLGI 2, water resistant	Anderol® FGCS-2HD, Anderol® 783-2
Gear box	Gear oil	Anderol® 6000 Series or Anderol® 7000 FG Series for worm gear
<b>5. Weighing/Grading</b>		
Roller bearings	Grease NLGI 2, water resistant	Anderol® FGCS-2HD, Anderol® PQAA-2 Plus
Gear box	Gear oil	Anderol® 6000 Series or Anderol® 7000 FG Series for worm gear

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Application	Lubrication	H1 approved lubricant
<b>6. Food preparation</b>		
Chains	Chain oil	Anderol® 6000 Series or Anderol® PQAA-2 Plus
Compressors	Compressor oil	Anderol® SYNcom FG HiPerf 46, Anderol® FG XL Series, Anderol® FG S Series
Gear box	Gear oil	Anderol® 6000 Series or Anderol® PQAA Series
General purpose	Grease, general purpose	Anderol® 783 Series
Extreme pressure	Grease, extreme pressure	Anderol® FGCS-2 HD, Anderol® FGCS-2 Plus or Anderol® 783 Series
Heavy duty	Grease, heavy duty	Anderol® FGCS-2 HD
High temperature	Grease, high temperature	Till 160°C Anderol® 783-2, > 160°C till 280°C Anderol® HTFG-2
Low temperature	Grease, low temperature	Anderol® 783 Series till -45°C (depending on application)
Hydraulics	Hydraulic oil	Anderol® FGH Series
Heat transfer systems	Heat transfer fluid	Anderol® PQ CAL
<b>7. Cooker/ Pasteurizer</b>		
Hydraulics	Hydraulic oil	Anderol® FGH Series
Lubrication system (cams, bearings)	Total loss	Anderol® 6000 Series or Anderol® PQAA Series
Roller bearings	Grease NLGI 2, water resistant	Anderol® FGCS-2HD, Anderol® 783-2
Roller bearings & cams	Grease NLGI 0 (automatic)	Anderol® 783-0
Bearing (in peroxide)	Extreme circumstance grease	Anderol® HTFG 2
Gear box	Gear oil	Anderol® 6000 Series or Anderol® 7000 FG Series for worm gear



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Application	Lubrication	H1 approved lubricant
<b>8. Forklift</b>		
Vacuum pump	Vacuum pump oil	Anderol® FG XL Series
Roller Bearings	Grease NLGI 2, water resistant	Anderol® FGCS-2 HD or Anderol® 783-2
Chains	Chain oil	Anderol® 6000 Series
Hydraulics	Hydraulic oil	Anderol® FGH Series
<b>9. Depalletizer</b>		
Gear box	Gear oil	Anderol® 6000 Series or Anderol® 7000 FG Series for worm gear
Vacuum pump	Vacuum pump oil	Anderol® FG XL Series
Roller Bearings	Grease NLGI 2, water resistant	Anderol® FGCS-2 HD or Anderol® 783-2
Hydraulics	Hydraulic oil	Anderol® FGH Series
<b>10. Can rinser</b>		
Roller Bearings	Grease NLGI 2, water resistant	Anderol® FGCS-2 HD or Anderol® 783-2
Gear box	Gear oil	Anderol® 6000 Series or Anderol® 7000 FG Series for worm gear
<b>11. Can filler</b>		
Lubrication system	Recirculation	Anderol® FGH Series or Anderol® 6000 Series
Rotating filler: roller bearing main axis	Automatic lubrication system	Anderol® 783-2
Roller Bearings	Grease NLGI 2, water resistant	Anderol® FGCS-2 HD or Anderol® 783-2
Gear box	Gear oil	Anderol® 6000 Series or Anderol® 7000 FG Series for worm gear
<b>12. Can seamer</b>		
Seamer heads - roller bearings	Grease NLGI 1, water resistant	Anderol® 783-1 or Anderol® PQAA-1 Plus
Lubrication system	Total loss or recirculation	Anderol® PQAA Series or Anderol® 6000 Series
Lubrication system	Recirculation (incl seamer heads)	Anderol® FGH 100 or Anderol® FG XL 100
Roller bearings	Grease NLGI 1 or 2, water resistant	Anderol® 783 Series
Gear box	Gear oil	Anderol® 6000 Series
Main drive - gear box	Gear oil	Anderol® 6000 Series or Anderol® 7000 FG Series for worm gear

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Application	Lubrication	H1 approved lubricant
<b>13. Labeling</b>		
Roller Bearings	Grease NLGI 2, water resistant	Anderol® FGCS-2 HD or Anderol® 783-2
Gear box	Gear oil	Anderol® 6000 Series or Anderol® 7000 FG Series for worm gear
Gear box - aggregate	Gear oil	Anderol® 6000 Series or Anderol® PQAA Series
Roller bearings - hot seal	Grease NLGI 1, high temperature	Anderol® 783-2
Lubrication system	Recirculation	Anderol® FGH 100 or Anderol® 6150
<b>14. Packing</b>		
Roller Bearings	Grease NLGI 2, water resistant	Anderol® FGCS-2 HD or Anderol® 783-2
Gear box	Gear oil	Anderol® 6000 Series
Lubrication system	Chain oil	Anderol® 6000 Series or Anderol® PQAA Series
Shrink tunnel - lubrication system	Chain oil, high temperature	Anderol® 6000 Series or Anderol® CHAIN OIL XL 220 FG
<b>15. Stack and palletize</b>		
Roller Bearings	Grease NLGI 2, water resistant	Anderol® FGCS-2 HD or Anderol® 783-2
Hydraulics	Hydraulic oil	Anderol® FGH Series
Gear box	Gear oil	Anderol® 6000 Series or Anderol® 7000 FG Series for worm gear



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**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 (POE) 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.





# 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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