



# BEVERAGE

LUBRICATION GUIDE







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## FOOD GRADE LUBRICATION GUIDE

SCAN FOR A  
DIGITAL COPY



### BEARING LUBRICATION

Location & Equipment	Location Point	Recommended Food Grade Lubricant	Legacy	SAP Number
Can Seamer	Bearings	<b>No-Tox® Food Grade Clear Grease 1, 2</b>	62250, 62260	301567, 301568
General Equipment	Pillow/Pillar Block/Flange	<b>No-Tox HD Food Grade Grease 1, 2</b>	62270, 62280	301569, 301059
General Equipment -40°C (-40°F) to 204°C (400°F)	Bearings/Bushings/Flange	<b>No-Tox Food Grade Synthetic EP Grease 1, 2</b>	65380, 65390	301598, 301319
Low Temperature Down to -68°C (-90°F)	Freezer Bearings	<b>No-Tox Food Grade Low Temperature Grease</b>	62470	301573
Pumps	Pump Bearings	<b>No-Tox Syntra™ Food Grade Synthetic Oil 46, 68</b>	64235, 64236	301316, 301590

### CHAIN LUBRICATION

Location & Equipment	Location Point	Recommended Food Grade Lubricant	Legacy	SAP Number
Conveyor Gravity Feed Automatic Oilers	Roller Chain Oilers	<b>No-Tox HD Food Grade Oil 100</b>	62685	301578
Engineered Drag Chains (Gravity Brush)	Pinle (Non Roller)	<b>No-Tox Food Grade Waterproof Chain Lubricant</b>	64060	301247
General Equipment	Roller Chains	<b>No-Tox Food Grade Waterproof Chain Lubricant Spray</b>	64070	301248
Spiral Freezer & Chiller Down to -63°C (-81°F)	Low Temperature Chains	<b>No-Tox Syntra Food Grade Synthetic Oil 32</b>	64234	301315

### COMPRESSOR & VACUUM PUMP LUBRICATION

Location & Equipment	Location Point	Recommended Food Grade Lubricant	Legacy	SAP Number
Compressors	Reservoir	<b>No-Tox HD Food Grade Oil 32, 46, 68</b>	62682, 62683, 62684	301590, 301591, 301068
Compressors	Reservoir	<b>No-Tox Syntra Food Grade Synthetic Oil 32, 46, 68</b>	64234, 64235, 64236	301315, 301316, 301590
Refrigeration Compressor	Reservoir	<b>No-Tox Syntra Food Grade Synthetic Oil 46, 68</b>	64235, 64236	301316, 301590
Vacuum Pumps	Reservoir	<b>No-Tox Syntra Food Grade Synthetic Oil 68, 100, 150</b>	64236, 64237, 64238	301590, 301591, 301068
Vacuum Pumps	Reservoir	<b>No-Tox HD Food Grade Oil 68, 100, 150</b>	62684, 62685, 62686	300931, 301578, 301579

### GEAR LUBRICATION

Location & Equipment	Location Point	Recommended Food Grade Lubricant	Legacy	SAP Number
Beveled Gears	GBX Reservoir	<b>No-Tox HD Food Grade Oil 100</b>	62685	301578
Beveled Gears	GBX Reservoir	<b>No-Tox Syntra Food Grade Synthetic Oil 100</b>	64237	301591
Helical Gears	GBX Reservoir	<b>No-Tox HD Food Grade Oil 220, 320</b>	62687, 62688	301241, 300920
Helical Gears	GBX Reservoir	<b>No-Tox Syntra Food Grade Synthetic Oil 220, 320</b>	64239, 64240	300934, 301592
Worm Gears	GBX Reservoir	<b>No-Tox HD Food Grade Oil 460</b>	62689	301242
Worm Gears	GBX Reservoir	<b>No-Tox Syntra Food Grade Synthetic Oil 460</b>	64241	301317

### HYDRAULIC & PNEUMATIC LUBRICATION

Location & Equipment	Location Point	Recommended Food Grade Lubricant	Legacy	SAP Number
Airline Lubricators	Airline Lubricator	<b>No-Tox Food Grade Air Line Lubricant</b>	62050	301564
Biodegradable Fire Resistant	Hydraulic Reservoir	<b>No-Tox BioFR Hydraulic 46</b>	65422	301919
Hydraulic Central Systems	Hydraulic Reservoir	<b>No-Tox HD Food Grade Oil 32, 46, 68</b>	62682, 62683, 62684	301061, 301240, 300931
Hydraulic Central Systems	Hydraulic Reservoir	<b>No-Tox Syntra Food Grade Synthetic Oil 32, 46, 68</b>	64234, 64235, 64236	301315, 301316, 301590
Hydraulic Units	Hydraulic Reservoir	<b>No-Tox HD Food Grade Oil 32, 46, 68</b>	62682, 62683, 62684	301061, 301240, 300931
Hydraulic Units	Hydraulic Reservoir	<b>No-Tox Syntra Food Grade Synthetic Oil 32, 46, 68</b>	64234, 64235, 64236	301315, 301316, 301590

### FILLER EQUIPMENT LUBRICATION

Location & Equipment	Location Point	Recommended Food Grade Lubricant	Legacy	SAP Number
Automatic Lubrication Systems	Automatic Greasing System	<b>No-Tox HD Food Grade Grease 1</b>	62270	301569
Automatic Oil Systems	Automatic Oil System	<b>No-Tox HD Food Grade Oil 100</b>	62685	301578

### CAN SEAMER LUBRICATION

Location & Equipment	Location Point	Recommended Food Grade Lubricant	Legacy	SAP Number
Filler Auto Lube	Lift Stations	<b>No-Tox Food Grade Chain Lubricant</b>	61760	301056
Lincoln Automatic Lubrication Systems	Automatic Greasing System	<b>No-Tox HD Food Grade Grease 1</b>	62270	301569
Manzel Lubricator - Circulating System	Upper Turret	<b>No-Tox Food Grade Seamer Oil 150</b>	64227	301312
Manzel Lubricator - Total Loss System	Upper Turret	<b>No-Tox Food Grade Seamer Oil 150</b>	64227	301312

### SPECIALTY & GENERAL MAINTENANCE LUBRICATION

Location & Equipment	Location Point	Recommended Food Grade Lubricant	Legacy	SAP Number
Conveyor Guides/Wear Strips	Slides & Guides	<b>No-Tox Food Grade Silicone Lubricant Spray</b>	61780	300879
Multipurpose Lubricant Aerosol	Chains, Cables, Miscellaneous	<b>No-Tox Food Grade Multipurpose Lubricant Spray</b>	61881	301561
White Grease Aerosol	Gears, Cams, Sleeve Bearings	<b>No-Tox Food Grade White Grease Spray</b>	62440	301571





## BEL-RAY®

For over 75 years, Bel-Ray® has been a leader in lubrication technology. Our products are engineered to protect equipment, reduce downtime and maximize operational efficiency to deliver superior business value across a wide variety of applications, including Automotive, Motorcycle and Power Sports, Mining, Oil and Gas Pipeline Operations, Food Processing, Heavy Equipment and other Industries.

Bel-Ray products have achieved the highest standards of quality and performance, while operating under harsh conditions and the toughest environments, earning the trust of Industrial Maintenance, Reliability and Engineering professionals across the globe.

## CALUMET

Calumet (NASDAQ: CLMT) is a leading independent producer of high-quality, specialty hydrocarbon products and services customers around the world. Calumet processes crude oil and other feedstocks into customized lubricating oils, solvents and waxes used in consumer, industrial and automotive products; produces fuels including renewable diesel, renewable gasoline and is a leading producer of Sustainable Aviation Fuel (SAF) in North America; and provides oilfield services and products to customers throughout the United States.

Headquartered in Indianapolis, Indiana, over 1,600 team members operate at 12 specialty product manufacturing and production facilities across North America, producing 1,900+ unique products, which are available in more than 90 countries across the world, serving 2,400+ customers globally.

Calumet acquired Bel-Ray in December 2013 which is a part of the Performance Brands portfolio.

**The NSF® categorizes food grade lubricants based on their potential contact with food, with H1\* and 3H\*\* being key classifications.**

**H1 Lubricants are designed for use when incidental, unavoidable food contact may occur, such as on machinery near food.**

- Typically used in equipment and machinery such as on conveyor belts, pumps, and other parts of food processing machinery
- Meets NSF specific criteria for safety, including being odorless, non-toxic and non-reactive with food
- Allowed amount of lubricant that can be transferred to the food product is limited to a trace amount, often specified as 10 parts per million (10 ppm)

**3H Lubricants are water-soluble oils, often edible oils, and biodegradable, used for rust prevention and cleaning on equipment.**

- Typically applied to hooks, trolleys and similar equipment used in food processing
- Direct food contact is acceptable and does not need to be removed

**Bel-Ray No-Tox products are NSF H1 and/or NSF 3H Registered, kosher and pareve approved and halal certified.**

\*NSF H1 = Incidental Food Contact

\*\*NSF 3H = Direct Food Contact



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