



 INDUSTRIAL & FOOD GRADE LUBRICATION GUIDE





## BEL-RAY®

### Legacy

For over 75 years, Bel-Ray products have proven their value, setting the highest standards of quality and performance. A leader in lubrication technology, our products have been engineered to protect while delivering superior business value for applications in aerospace, automotive, energy, food, marine, military, mining, motorcycle, OEM, powersports, steel and textile and other industries served by our Powersports, Automotive, Industrial and Mining Divisions.



### Sustainability

The Environmental Carbon Management (ECM) Program reduces the overall carbon footprint with responsible waste management and eco-friendly/partially recycled products, packaging, collateral and more. Look for the ECM logo on all Bel-Ray products.

## CALUMET SPECIALTY PRODUCTS PARTNERS, L.P.

Calumet Specialty Products Partners, L.P. (NASDAQ: CLMT) is a master limited partnership and a leading independent producer of high-quality, specialty hydrocarbon products in North America. Calumet processes crude oil and other feedstocks into customized lubricating oils, solvents and waxes used in consumer, industrial and automotive products; produces fuel products including gasoline, diesel and jet fuel; and provides oilfield services and products to customers throughout the United States. Calumet is based in Indianapolis and produces nearly 3,500 unique specialty products used in the development of the world's most trusted brands and products. Calumet is vertically integrated and holds a comprehensive portfolio of branded products for use in commercial, industrial, and consumer applications. Headquartered in Indianapolis, Indiana, the company employs approximately 1600 people and operates 11 facilities across North America. Calumet products and services are available in approximately 52 countries across the world; serving approximately 4,400 customers globally.

Calumet acquired Bel-Ray in December of 2013.





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# LUBRICATION INNOVATION



WWW.BELRAY.COM

## NO-TOX<sup>®</sup> BIOFR HYDRAULIC OIL 46

H413 - May cause long lasting harmful effects to aquatic life. P273 - Avoid release to the environment. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. Contains 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-ar-methyl-. May produce an allergic reaction.

H413 - Puede ser nocivo para los organismos acuáticos, con efectos nocivos duraderos. P273 - Evitar su liberación al medio ambiente. P501 - Eliminar el contenido y el recipiente de acuerdo con las normativas locales, regionales, nacionales e internacionales. Contiene 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-ar-methyl-. Puede provocar una reacción alérgica.

H413 - Peut être nocif à long terme pour les organismes aquatiques. P273 - Éviter le rejet dans l'environnement. P501 - Éliminer le contenu et le récipient en conformité avec toutes réglementations locales, régionales, nationales, et internationales. Contient 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-ar-methyl-. Peut produire une réaction allergique.

H413 - Kann für Wasserorganismen schädlich sein, mit langfristiger Wirkung. P273 - Freisetzung in die Umwelt vermeiden. P501 Inhalt und Behälter in Übereinstimmung mit allen lokalen, regionalen, nationalen und internationalen Gesetzen entsorgen. Enthält 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-ar-methyl-. Kann allergische Reaktionen hervorrufen.

H413 - Può essere nocivo per gli organismi acquatici con effetti di lunga durata. P273 - Non disperdere nell'ambiente. P501 - Smaltire il prodotto e il recipiente secondo ogni regolamento locale, regionale, nazionale e internazionale. Contiene 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-ar-methyl-. Può provocare una reazione allergica.

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. The shelf life of oil and grease lubricants is 36 months from the manufacture date.



ISO 21469 Certified



SerNo of 1

Rev: 3/31/2020

PRODUCT CODE:	MANUFACTURE DATE:	BATCH DATE:	NET CONTENTS:
<b>301919150007</b>	<b>PROOF_3-15-2021</b>	<b>PROOF_3-15-2021</b>	<b>208.2L/55GAL</b>



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Made in the USA from domestic and imported components.

For Emergencies Contact CHEMTREC:  
1-800-424-9300 / 1-703-527-3887 (International) CCN674745

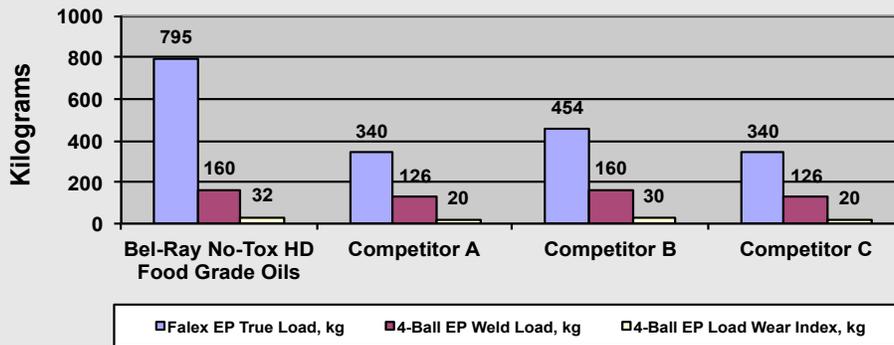
## PRODUCT LABEL UPDATE

The Bel-Ray<sup>®</sup> Mining and Industrial products will now feature updated labels that contain the most up to date GHS (Globally Harmonized System of Classification and Labeling of Chemicals) regulatory standards, as well as multilingual regulatory information. In addition to English, the labels include information in Spanish, French, Italian and German. Aerosol products feature regulatory information in 25 languages for global distribution.

# UNPARALLELED VALUE

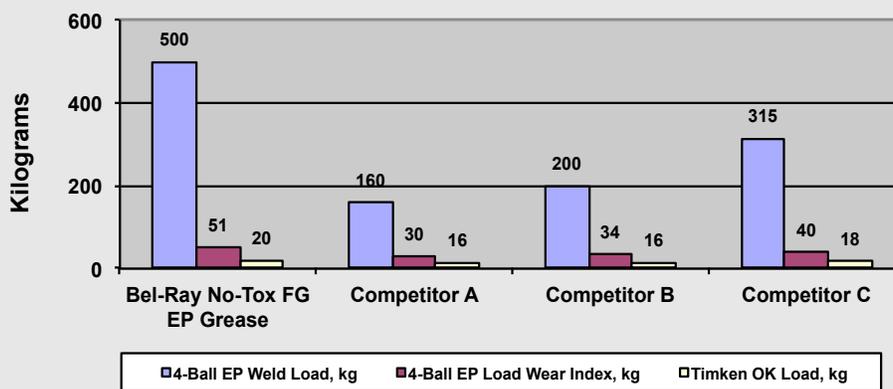


## NO-TOX<sup>®</sup> HD FOOD GRADE OILS



Bel-Ray remains true to its Mission Statement of providing innovative technology resulting in superior performance and value in Bel-Ray No-Tox HD Food Grade Gear Oil. This can be seen in this gear oil “multi-test” comparison chart. With the highest true load in ASTM D3233B Falex Pin & Vee Block Test, the highest Weld Load and Load Wear Index in ASTM D2783 4-Ball EP Test, Bel-Ray No-Tox HD Food Grade Gear Oil is the exception in the lubrication of machinery gear cases in food processing, pharmaceutical and beverage industries where incidental food contact may occur.

## MULTI-TEST COMPARISON OF FOOD GRADE EP GREASES



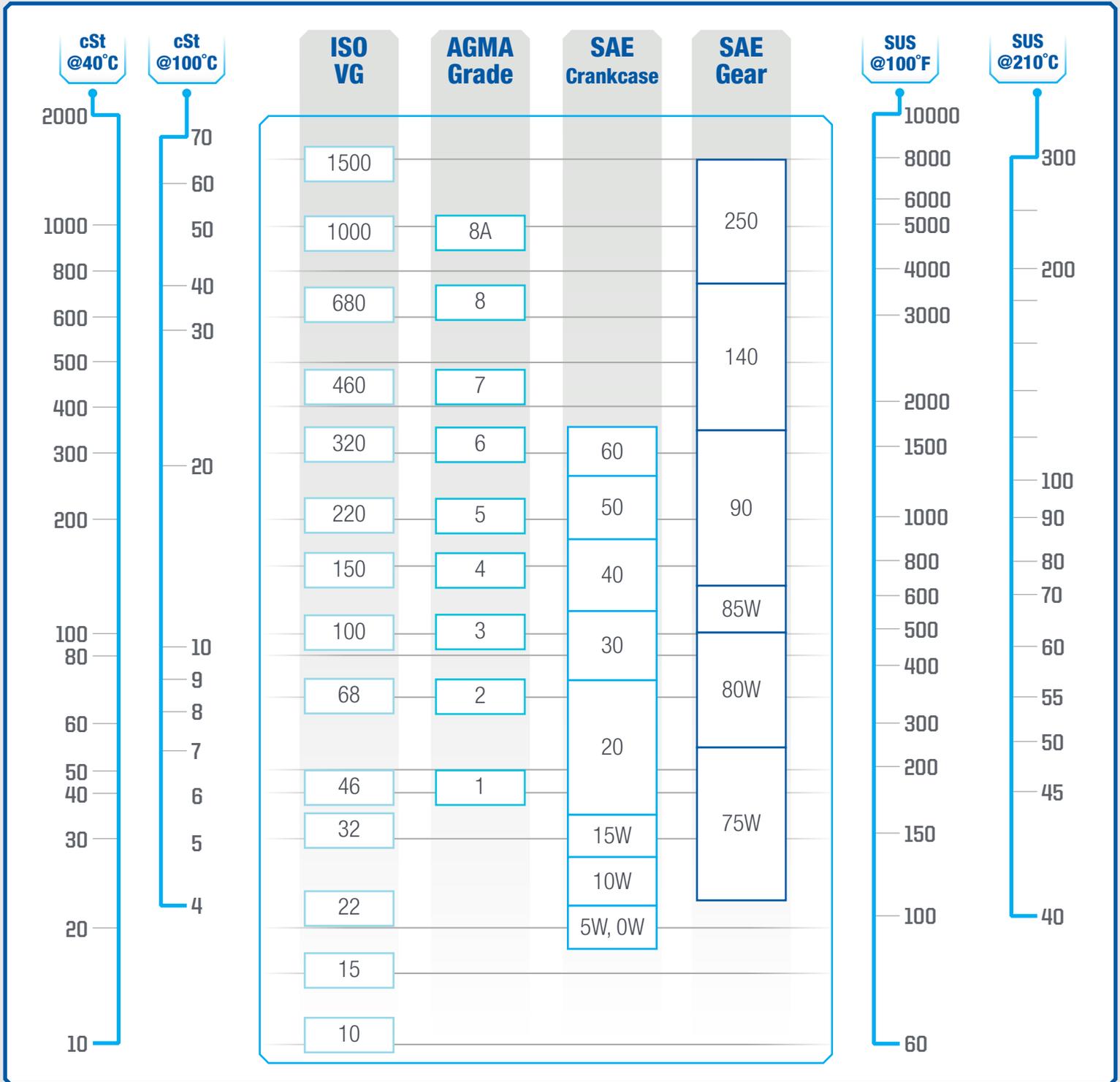
Bel-Ray No-Tox Food Grade Extreme Pressure Grease is a superior general purpose grease containing PTFE and food grade EP additives. The extreme pressure performance of No-Tox Food Grade Extreme Pressure Grease is exceptional at 500 Kg Weld Load and 51 Kg Load Wear Index on the ASTM D2596 4-Ball EP Test and 20 Kg (45 pounds) on the ASTM D2509 Timken Test. This chart demonstrates that No-Tox Food Grade Extreme Pressure Grease, A Bel-Ray premier general purpose grease, surpasses the competition with respect to both Extreme Pressure and anti-wear capabilities.

# VISCOSITY CHART

## VISCOSITY CLASSIFICATION EQUIVALENTS

KINEMATIC  
VISCOSITIES

SAYBOLT  
VISCOSITIES



Many petroleum products are graded according to the ISO Viscosity Classification System, approved by the International Standards Organization (ISO). Each ISO viscosity grade number corresponds to the mid-point of a viscosity range expressed in centistokes (cSt) at 40°C. For example, a lubricant with an ISO grade of 32 has a viscosity within the range of 28.8 – 35.2, the midpoint of which is 32.

Rule-of-Thumb: The comparable ISO grade of a given product whose viscosity in SUS at 100°F is known can be determined by using the following conversion formula:  $SUS @ 100°F + 5 \approx cSt @ 40°C$ .

# NLGI CHART



NLGI CONSISTENCY (GRADE NUMBER)	ASTM WORKED PENETRATION AT 25°C (PENETRATION IN 0.1MM)	APPEARANCE	CONSISTENCY FOOD ANALOG
000	445 - 475	FLUID	COOKING OIL
00	400 - 430	SEMI-FLUID	APPLE SAUCE
0	355 - 385	VERY SOFT	MUSTARD
1	310 - 340	SOFT	TOMATO PASTE
2	265 - 295	"NORMAL" GREASE	PEANUT BUTTER
3	220 - 250	FIRM	VEGETABLE SHORTENING
4	175 - 205	VERY FIRM	FROZEN YOGURT
5	130 - 160	HARD	SMOOTH PÂTÉ
6	86 - 115	VERY HARD	CHEDDAR CHEESE



# BEARINGS

		Legacy Product Number	New SAP Product Number	Product Grade	Base Oil ISO VG	Speed	Extreme Pressure	Rust, Corrosion & Water Resistant	Product Type	Color
1	<b>Biodegradable Multipurpose Extreme Pressure Grease</b>	56851	301544	NLGI 2	100	M			F B	
2	<b>Molyube® 3% Moly Extreme Pressure Grease LC</b>	67850 67860	301084 300885	NLGI 0 NLGI 1	150 220	M			M E	
3	<b>Molyube® 5% Moly Extreme Pressure Grease AC</b>	69520 69480 69500	301753 300886 300936	NLGI 0 NLGI 1 NLGI 2	150 220 220	M H			M	
4	<b>Molyube® 5% Moly Extreme Pressure Grease LC</b>	67820 67832	301612 301083	NLGI 1 NLGI 2	220 460	L M			M E	
5	<b>Molyube® 87M Extreme Pressure Grease 150-0</b>	20250	301187	NLGI 1	150	M			M	
6	<b>Molyube® Extreme Pressure Grease AC</b>	23220 23240	301201 301696	NLGI 1 NLGI 2	220 150/220	M			M E	
7	<b>Molyube® Extreme Pressure High Viscosity Grease</b>	20254 20264	301679 301682	NLGI 1 NLGI 2	680 680	L M			M E	

MINERAL   
 SEMI-SYNTHETIC   
 SYNTHETIC  
 BIODEGRADABLE   
 ECO-FRIENDLY   
 NSF® REGISTERED  
 LOW   
 MEDIUM   
 HIGH  
 ——— SPEED ———

**1**

## BIODEGRADABLE MULTIPURPOSE EXTREME PRESSURE GREASE

A high-performance, Extreme Pressure grease for general purpose lubrication. Vegetable oil-based for excellent biodegradability and high renewable content. Excellent water washout resistance and mechanical and thermal stability. Superior load-carrying capabilities as well as outstanding rust, corrosion and wear protection for extended component life. The rate of biodegradation is performed by the ASTM test Method D5864 (OECD 301B Modified Sturm Test). Useful temperature range -10°C to 70°C (14°F to 158°F). **THICKENER: Organoclay**

**2**

## MOLYLUBE® 3% MOLY EXTREME PRESSURE GREASE LC

A high-performance, lithium complex grease containing 3% molybdenum disulfide, as required by many off-highway equipment OEMs. Exceptional mechanical and thermal stability, excellent anti-wear and Extreme Pressure properties, unsurpassed rust and corrosion protection and resistance to water. Exceeds all of the multipurpose grease requirements of walking draglines, electric rope shovels and hydraulic excavators and meets the requirements of the all major OEMs for multipurpose Extreme Pressure greases. Useful temperature range -18°C to 177°C (0°F to 350°F). **THICKENER: Lithium Complex**

**3**

## MOLYLUBE® 5% MOLY EXTREME PRESSURE GREASE AC

A high performance aluminum complex grease fortified with excellent Extreme Pressure and anti-wear properties for maximum wear protection. Contains 5% molybdenum disulfide as required by many off-highway equipment OEMs. Weld Load on 4-Ball EP test performance of 800 plus kg and Load Wear Index of 135 kg. Exceeds all of the multipurpose grease requirements of walking draglines, electric rope shovels and hydraulic excavators and meets the requirements of the all major OEMs for multipurpose Extreme Pressure greases. Useful temperature range -18°C to 177°C (0°F to 350°F). **THICKENER: Aluminum Complex**

**4**

## MOLYLUBE® 5% MOLY EXTREME PRESSURE GREASE LC

A high-performance, lithium complex grease fortified with 5% molybdenum disulfide as recommended by many equipment manufacturers. Excellent Extreme Pressure capabilities as well as outstanding mechanical and thermal stability. Unsurpassed rust and corrosion protection and resistance to water. Exceeds all of the multipurpose grease requirements of walking draglines, electric rope shovels and hydraulic excavators and meets the requirements of the Caterpillar (Bucyrus International) SD4711 and Joy Global P&H 472 standards for multipurpose greases. Useful temperature range -18°C to 177°C (0°F to 350°F). **THICKENER: Lithium Complex**

**5**

## MOLYLUBE® 87M EXTREME PRESSURE GREASE 150-0

Molyube 87M EP Grease is an aluminum complex multi-purpose grease. It contains Molyube Solids, a Bel-Ray proprietary blend of molybdenum disulfide and select graphite to reduce operating temperature and wear. Molyube 87M EP Grease is designed to extend the service life of machine components in the severe duty applications encountered in mining, quarrying, construction, cement and other heavy industries. Molyube 87M EP Grease is especially effective when used to lubricate the suspension components of heavy-duty equipment such as excavators, dozers, loaders and haul trucks. **THICKENER: Aluminum Complex**

**6**

## MOLYLUBE® EXTREME PRESSURE GREASE AC

A severe-duty, impact-resistant, aluminum complex grease fortified with molybdenum disulfide. Excellent Extreme Pressure capabilities, outstanding mechanical and thermal stability. Exceptional water washout resistance, rust and corrosion protection. Exceeds all of the multipurpose grease requirements of walking draglines, electric rope shovels and hydraulic excavators and meets the requirements of the Bucyrus International SD4711, Caterpillar BI010196 and Joy Global P&H 472 standards for multipurpose greases. Useful temperature range -12°C to 177°C (10°F to 350°F). **THICKENER: Aluminum Complex**

**7**

## MOLYLUBE® EXTREME PRESSURE HIGH VISCOSITY GREASE

A high viscosity base oil complex grease fortified with molybdenum disulfide and excellent Extreme Pressure properties. Excellent mechanical and thermal stability. Highly water resistant. Grades 680-1 and 1000-1 are Komatsu approved. Useful temperature range 0°C to 177°C (32°F to 350°F). **THICKENER: Aluminum Complex**

**Technical Questions?** Visit [belray.com](http://belray.com) and contact our Technical Services department.

# BEARINGS

		Legacy Product Number	New SAP Product Number	Product Grade	Base Oil ISO VG	Speed	Extreme Pressure	Rust, Corrosion & Water Resistant	Product Type	Color
<b>1</b>	<b>Molyube® High Temperature Grease</b>	17830	301184	NLGI 1	150/220	L M			S	
<b>2</b>	<b>Molyube® Low Temperature Multipurpose Grease</b>	46420	301042	NLGI 1	46	M H			M E	
<b>3</b>	<b>Molyube® Multipurpose Extreme Pressure Grease with Moly</b>	40900	301524	NLGI 1	220	M H			M	
<b>4</b>	<b>No-Tox® Food Grade Clear Grease</b>	62250 61730 62260	301567 301234 301568	NLGI 1 NGLI 1.5 NLGI 2	100	M H			M E	Clear
<b>5</b>	<b>No-Tox® Food Grade Extreme Pressure Grease</b>	63100	301243	NLGI 0	100	M H			M E	
<b>6</b>	<b>No-Tox® Food Grade Low Temperature Grease</b>	62470	301573	NLGI 1	32	M H			S E	
<b>7</b>	<b>No-Tox® Food Grade Synthetic Extreme Pressure Grease</b>	65380 65390	301598 301319	NLGI 1 NLGI 2	220	L H			S E	

MINERAL    SEMI-SYNTHETIC    SYNTHETIC  
 BIODEGRADABLE    ECO-FRIENDLY    NSF® REGISTERED  
 LOW    MEDIUM    HIGH  
SPEED

**1**

## **MOLYLUBE® HIGH TEMPERATURE GREASE**

A synthetic, ester-based high-temperature grease with molybdenum disulfide, designed specifically for extended lubrication cycles in heavily loaded applications. Useful temperature range -18°C to 316°C (0°F to 600°F). **THICKENER: Sodium Complex**

**2**

## **MOLYLUBE® LOW TEMPERATURE MULTIPURPOSE GREASE**

An aluminum complex grease fortified with Molyube Solids. Excellent Extreme Pressure capabilities. Outstanding mechanical and thermal stability. Exceptional water washout resistance, rust and corrosion protection. It has excellent pumpability characteristics for exceptionally cold ambient conditions. Useful temperature range -40°C to 149°C (-40°F to 300°F). **THICKENER: Aluminum Complex**

**3**

## **MOLYLUBE® MULTIPURPOSE EXTREME PRESSURE GREASE WITH MOLY**

An aluminum complex, multipurpose grease fortified with molybdenum disulfide for effective heavy-duty service. Outstanding mechanical and thermal stability to withstand shock and heavy loading found in severe environments of mining, construction and process industries. Exceptional water washout resistance, rust and corrosion protection. Exhibits good cohesive and adhesive characteristics. Exceeds all of the multipurpose grease requirements of walking draglines, electric rope shovels and hydraulic excavators and meets the requirements of the Bucyrus International SD4711, Caterpillar BI010196 and Joy Global P&H 472 standards for multipurpose greases. Useful temperature range -26°C to 177°C (-15°F to 350°F). **THICKENER: Aluminum Complex**

**4**

## **NO-TOX® FOOD GRADE CLEAR GREASE**

A mineral oil-based, aluminum complex food machinery grease developed specifically for use in the "clean" industries, such as food, beverage, pharmaceutical and personal care. Fortified with waterproof properties and rust/corrosion inhibitors, this grease is ideal for wet environments. Useful temperature range -20°C to 177°C (-4°F to 350°F). **THICKENER: Aluminum Complex**

**5**

## **NO-TOX® FOOD GRADE EXTREME PRESSURE GREASE**

A heavy-duty, Extreme Pressure, general purpose grease with excellent resistance to water washout in addition to its exceptional anti-wear and mechanical stability. Useful temperature range -20°C to 177°C (-4°F to 350°F). **THICKENER: Aluminum Complex**

**6**

## **NO-TOX® FOOD GRADE LOW TEMPERATURE GREASE**

A synthetic PAO-based grease with exceptional low-temperature properties. It is an excellent lubricant for bearings operating in freezers and chillers. Useful temperature range -68°C to 177°C (-90°F to 350°F). **THICKENER: Aluminum Complex**

**7**

## **NO-TOX® FOOD GRADE SYNTHETIC EXTREME PRESSURE GREASE**

A synthetic PAO-based, tacky, heavy-duty, Extreme Pressure, general purpose grease with excellent resistance to water washout in addition to its exceptional anti-wear and Extreme Pressure properties. Useful temperature range -50°C to 204°C (-58°F to 400°F). **THICKENER: Aluminum Complex**

**Technical Questions?** Visit [belray.com](http://belray.com) and contact our Technical Services department.

# BEARINGS

		Legacy Product Number	New SAP Product Number	Product Grade	Base Oil ISO VG	Speed	Extreme Pressure	Rust, Corrosion & Water Resistant	Product Type	Color
<b>1</b>	<b>No-Tox® HD Food Grade Grease</b>	62270 62280	301569 301059	NLGI 1 NLGI 2	220				  	
<b>2</b>	<b>Termalene® Extreme Pressure Grease LC</b>	70319	301087	NLGI 1	220					
<b>3</b>	<b>Termalene® Multipurpose Extreme Pressure Grease</b>	72420 72440	301765 301091	NLGI 1 NLGI 2	150/220					
<b>4</b>	<b>Termalene® Heavy Duty Construction Grease</b>	72560	301338	NLGI 2	220/320	 				
<b>5</b>	<b>Waterproof Grease</b>	99540	301293	NLGI 2	150/220				 	

MINERAL    SEMI-SYNTHETIC    SYNTHETIC  
 BIODEGRADABLE    ECO-FRIENDLY    NSF® REGISTERED  
 LOW    MEDIUM    HIGH  
L ——— M ——— H  
SPEED

**1**

## **NO-TOX<sup>®</sup> HD FOOD GRADE GREASE**

Odorless, tasteless, waterproof, heavy-duty, general purpose grease designed for applications requiring outstanding anti-wear properties. Contains PTFE. Useful temperature range -9°C to 177°C (15°F to 350°F). **THICKENER: Aluminum Complex**

**2**

## **TERMALENE<sup>®</sup> EXTREME PRESSURE GREASE LC**

Termalene Extreme Pressure Grease LC is a multipurpose, Extreme Pressure, water resistant lithium complex grease. It provides outstanding film strength, adhesive properties, superior wear protection in heavily loaded and shock-load conditions. This product provides excellent lubrication over a wide range of operating conditions. Useful temperature range -40°C to 177°C (-40°F to 350°F). **THICKENER: Lithium Complex**

**3**

## **TERMALENE<sup>®</sup> MULTIPURPOSE EXTREME PRESSURE GREASE**

An aluminum complex grease with exceptional retention properties and high load-carrying capacity. Adhesive and virtually waterproof. Excellent for bushing and pin applications. Its performance in General Electric's wheel motor hub bearings is unsurpassed. Low oil separation and good pumpability make it ideal for use in automatic lubrication systems. Useful temperature range -18°C to 177°C (0°F to 350°F). **THICKENER: Aluminum Complex**

**4**

## **TERMALENE<sup>®</sup> HEAVY DUTY CONSTRUCTION GREASE**

An aluminum complex grease with exceptional retention properties. Extremely adhesive and virtually waterproof. Excellent for bushing and pin applications. Its performance in General Electric's wheel motor hub bearings is unsurpassed. Load carrying and anti-wear capabilities far surpass conventional greases in applications where bearings are subjected to very high loads, slow speeds and elevated temperatures. Appropriate when temperatures are elevated to 232°C (450°F) for short bursts and not continuous use. Useful temperature range -12°C to 177°C (10°F to 350°F). **THICKENER: Aluminum Complex**

**5**

## **WATERPROOF GREASE**

A fibrous waterproof grease, providing excellent protection from dirt and saltwater by resisting water and sealing out contaminants. Useful temperature range -18°C to 177°C (0°F to 350°F). **THICKENER: Al-Ba-Complex**



# CHAINS

		Legacy Product Number	New SAP Product Number	Product Grade	Temperature	Extreme Pressure	Penetrating	Anti-Wear, Anti-Rust, Anti-Corrosion	Product Type	Color
<b>1</b>	<b>Bakerylube™ Oven Chain Lubricant</b>	56720	301543	Cold Chain	L N H				E	Black
<b>2</b>	<b>No-Tox® Food Grade Chain Lubricant</b>	61760	301056	ISO 100	N				M E	Yellow
<b>3</b>	<b>No-Tox® Food Grade Multipurpose Lubricant Spray</b>	61881	301561	ISO 100	N				M E	Colorless
<b>4</b>	<b>No-Tox® Food Grade Waterproof Chain Lubricant</b>	64060 64070	301247 301248	ISO 460 ISO 460 (Spray)	N				M E	Yellow
<b>5</b>	<b>No-Tox® Syntra™ Food Grade Synthetic Oil</b>	64234	301315	ISO 32	L N				S E	Yellow
<b>6</b>	<b>Synthetic Chain Lubricant</b>	58750	301232	ISO 220	N H				S E	Green
<b>7</b>	<b>Waterproof Chain Lubricant</b>	66410	300883	ISO 680 (Spray)	N				M E	Orange

MINERAL    SEMI-SYNTHETIC    SYNTHETIC  
 BIODEGRADABLE    ECO-FRIENDLY    NSF® REGISTERED  
 LOW    NORMAL    HIGH  
 TEMPERATURE

**1****BAKERYLUBE™ OVEN CHAIN LUBRICANT**

Unique oven chain lubricants made from mixtures of graphite powders and fluids, designed to lubricate bakery oven chains at varying temperatures. See PDS for useful temperature range. **ATTRIBUTE: Solid Lubricant**

**2****NO-TOX® FOOD GRADE CHAIN LUBRICANT**

An excellent general purpose chain lubricant designed for most applications, especially wet environments requiring a medium viscosity oil. **ATTRIBUTE: Emulsifiable with Water**

**3****NO-TOX® FOOD GRADE MULTIPURPOSE LUBRICANT SPRAY**

An aluminum complex grease with exceptional retention properties. Extremely adhesive and virtually waterproof. Excellent for bushing and pin applications. Its performance in General Electric's wheel motor hub bearings is unsurpassed. Load carrying and anti-wear capabilities far surpass conventional greases in applications where bearings are subjected to very high loads, slow speeds and elevated temperatures. Appropriate when temperatures are elevated to 232°C (450°F) for short bursts and not continuous use. Useful temperature range -12°C to 177°C (10°F to 350°F).

**4****NO-TOX® FOOD GRADE WATERPROOF CHAIN LUBRICANT**

A high-performance, food-grade chain lubricant with excellent penetrating properties to provide superior component protection, especially in wet environments. **ATTRIBUTE: Emulsifiable with Water**

**5****NO-TOX® SYNTRA™ FOOD GRADE SYNTHETIC OIL**

A state-of-the-art PAO synthetic chain lubricant with exceptional penetration and anti-wear properties. For spiral freezer chains. Used in extremely low temperature applications.

**6****SYNTHETIC CHAIN LUBRICANT**

A superb ester synthetic chain lubricant designed for Extreme Pressure and high temperature applications. Useful temperature range -23°C (-10°F) to 204°C (400°F). **ATTRIBUTE: Self-Cleaning Properties**

**7****WATERPROOF CHAIN LUBRICANT**

A heavy-duty, long-lasting oil for chains and bearings operating in most conditions, especially wet environments.

**Technical Questions?** Visit [belray.com](http://belray.com) and contact our Technical Services department.

# COMPRESSORS

1

## NO-TOX<sup>®</sup> HD FOOD GRADE OIL

A series of multipurpose white mineral lubricating oils designed to provide exceptional anti-wear and rust/corrosion protection in a wide range of applications, including hydraulic systems, gear cases, chains, compressors, bearings and circulating systems and other applications found in the 'clean' industries, such as food, beverage, pharmaceutical and personal care.

2

## NO-TOX<sup>®</sup> SYNTRA<sup>™</sup> FOOD GRADE SYNTHETIC OIL

A synthetic PAO-based, non-toxic, high-performance, multipurpose lubricant designed to provide exceptional anti-wear and rust/corrosion protection in a wide range of applications, including hydraulic systems, gear cases, chains, compressors, bearings and circulating systems and other applications found in the 'clean' industries, such as food, beverages, pharmaceutical and personal care.

3

## SYNTHETIC ESTER COMPRESSOR OIL

A superior diester synthetic compressor oil specifically formulated for rotary and reciprocating compressors. Diester technology makes this a very clean, long-life compressor lubricant. Low deposit formation and excellent reliability.

		Legacy Product Number	New SAP Product Number	Product Grade	Temperature	Detergency	Wear, Rust, Corrosion & Water Resistant	Product Type	Color
1	No-Tox <sup>®</sup> HD Food Grade Oil	62683	301240	ISO 46	N				Colorless
		62684	300931	ISO 68					
		62685	301578	ISO 100					
2	No-Tox <sup>®</sup> Syntra <sup>™</sup> Food Grade Synthetic Oil	64234	301315	ISO 32	L N				Colorless
		64235	301316	ISO 46					
		64236	301590	ISO 68					
		64237	301591	ISO 100					
		64238	301068	ISO 150					
3	Synthetic Ester Compressor Oil	58150	301226	ISO 46	L N H				
		58160	301227	ISO 68					

MINERAL   
 SEMI-SYNTHETIC   
 SYNTHETIC  
 BIODEGRADABLE   
 ECO-FRIENDLY   
 NSF<sup>®</sup> REGISTERED  
 LOW   
 NORMAL   
 HIGH  
 ——— TEMPERATURE ———

# ENGINE OIL

1

## HEAVY DUTY DIESEL ENGINE OIL

An exceptional motor oil formulated for use in diesel and gasoline engines where reduced consumption and extended oil drain intervals are desired. Provides superior lubrication performance in heavy-duty diesel or gasoline engine applications commonly found in the mining, transportation and marine industries. API SL/CI-4. An excellent oil for mixed fleet use. TBN 14 base level for extended change intervals.

	Legacy Product Number	New SAP Product Number	Product Grade	Multi-Vis Grade	Wear, Rust, Corrosion & Foam Resistant	Product Type	Color
1 <b>Heavy Duty Diesel Engine Oil</b>	61580	301054	SAE 15W-40				



# ENCLOSED GEARS

		Legacy Product Number	New SAP Product Number	Product Grade	Temperature	Extreme Pressure	Worm Gears	Wear, Rust & Corrosion Resistant	Product Type	Color
<b>1</b>	<b>Industrial Gear Oil</b>	N/A	302182	ISO 100	<b>N</b>				<b>M</b>	
		N/A	302184	ISO 150						
		N/A	302185	ISO 220						
		N/A	302186	ISO 320	<b>H</b>					
		N/A	302191	ISO 460						
<b>2</b>	<b>No-Tox® HD Food Grade Oil</b>	62685	301578	ISO 100	<b>N</b>				<b>M</b> <b>E</b>	Colorless
		62686	301579	ISO 150						
		62687	301241	ISO 220						
		62688	300920	ISO 320						
		62689	301242	ISO 460						
<b>3</b>	<b>No-Tox® Syntra™ Food Grade Synthetic Oil</b>	64237	301591	ISO 100	<b>L</b>				<b>S</b> <b>E</b>	Colorless
		64238	301068	ISO 150						
		64239	300934	ISO 220						
		64240	301592	ISO 320						
		64241	301317	ISO 460	<b>N</b>					
<b>4</b>	<b>Semi-Fluid Grease</b>	43520	301212	N/A	<b>N</b>			<b>M</b>		
<b>5</b>	<b>Synthetic Gear Oil</b>	66900	301321	ISO 220	<b>L</b>				<b>S</b> <b>E</b>	
		66920	301605	ISO 320						
		66940	301606	ISO 460						
		66960	301607	ISO 680						
		66980	301608	ISO 1000	<b>N</b>					
<b>6</b>	<b>Transmission Fluid T0-4</b>	N/A	302302	SAE 10W	<b>N</b>				<b>M</b>	
		N/A	302303	SAE 30W						
		N/A	302304	SAE 50W						
<b>7</b>	<b>Turbine Oil</b>	N/A	302152	ISO 32	<b>N</b>				<b>M</b>	
		N/A	302154	ISO 68						
		N/A	302171	ISO 100						
		N/A	302172	ISO 150	<b>H</b>					

MINERAL   
 SEMI-SYNTHETIC   
 SYNTHETIC  
 BIODEGRADABLE   
 ECO-FRIENDLY   
 NSF® REGISTERED  
 LOW   
 NORMAL   
 HIGH  
 ———— TEMPERATURE ————

**1**

## **INDUSTRIAL GEAR OIL**

A series of premium gear lubricants formulated to provide optimum performance and protection in all types of enclosed gear sets. They are blended with selected grades and thermally stable paraffinic base stocks and fortified with an advanced additive system designed to deliver ultimate protection against gear and bearing wear, rust, oxidation, and hydrolytic decomposition.

**2**

## **NO-TOX<sup>®</sup> HD FOOD GRADE OIL**

A series of multipurpose white mineral lubricating oils designed to provide exceptional anti-wear and rust/corrosion protection in a wide range of applications, including hydraulic systems, gear cases, chains, compressor, bearings and circulating systems and other applications found in the 'clean' industries, such as food, beverage, pharmaceutical and personal care.

**3**

## **NO-TOX<sup>®</sup> SYNTRA<sup>™</sup> FOOD GRADE SYNTHETIC OIL**

A synthetic, PAO-based, non-toxic, high-performance, multipurpose lubricant designed to provide exceptional anti-wear and rust/corrosion protection in a wide range of applications, including hydraulic systems, gear cases, chains, compressor, bearings and circulating systems and other applications found in the 'clean' industries, such as food, beverage, pharmaceutical and personal care.

**4**

## **SEMI-FLUID GREASE**

A semi-fluid aluminum complex lubricant that provides superior water repellence and heat resistance while remaining stable to protect against severe shock loads. For use in semi-enclosed or leaky gear cases. This lubricant is rheopectic (shear thickening) to control leakage. Exceptional Extreme Pressure properties.

**5**

## **SYNTHETIC GEAR OIL**

A totally synthetic hydrocarbon and ester combination gear lubricant. Outstanding Extreme Pressure and anti-wear properties, as well as excellent viscosity-temperature properties. Extremely low coefficients of friction and traction. Compatible with mineral oils. Grades ISO VG 220 thru ISO VG 1000 are approved by Flender.

**6**

## **TRANSMISSION FLUID TO-4**

A heavy duty transmission and drive train multi-functional lubricant that contains a balanced additive technology that provides the friction control, low gear wear, good elastomer compatibility and oxidation stability performances, required to meet the specifications for power shift transmissions, final drive and hydraulic systems. TO-4 supersedes and replaces Caterpillar TO-2. It is specifically formulated to meet Caterpillar's TO-4 and Caterpillar TO-4M requirements.

**7**

## **TURBINE OIL**

A rust and oxidation inhibited industrial oil specifically engineered for the lubrication of medium and heavy-duty, high temperature gas, steam, and hydraulic turbine systems. Offer superior protection from rusty water contaminated systems and aggressively prevent sludge and deposit formation caused by oil oxidation. In addition, protect against wear of critical components under severe operating conditions and systems that function under high temperatures and pressure.

**Technical Questions?** Visit [belray.com](http://belray.com) and contact our Technical Services department.



# OPEN GEARS

		Legacy Product Number	New SAP Product Number	Product Grade	Temperature	Extreme Pressure	Open Gears	Wear, Rust & Corrosion Resistant	Product Type	Color
<b>1</b>	<b>Clear Gear™ Lubricant</b>	21324 21325 21326	301688 301193 301689	>10K >16K >28K	<b>N</b>				<b>S</b> <b>E</b>	
<b>2</b>	<b>Molyube® Gear Tac Tacky Open Gear Lubricant</b>	68940	301746	Medium Light	<b>L</b> <b>N</b>				<b>SS</b> <b>E</b>	
<b>3</b>	<b>Molyube® Mill Gear Grease</b>	76992	301343	Heavy	<b>N</b>				<b>M</b> <b>E</b>	
<b>4</b>	<b>Molyube® SF 100 Semi-Synthetic Open Gear Lubricant</b>	76990 77000 77010 77020	301772 300939 301344 301773	Light Heavy Medium Sub-Arctic	<b>L</b> <b>N</b>				<b>M</b> <b>E</b>	

MINERAL    SEMI-SYNTHETIC    SYNTHETIC  
 BIODEGRADABLE    ECO-FRIENDLY    NSF® REGISTERED  
 LOW    NORMAL    HIGH  
TEMPERATURE

**1****CLEAR GEAR™ LUBRICANT**

A high-viscosity synthetic hydrocarbon-based open gear lubricant formulated for grinding mill, kiln and other process open gear systems. Provides full fluid film or hydrodynamic lubrication. Completely fluid and freely drains from shrouds and tooth roots. Allows for gear tooth inspections without complete cleaning. Metso Mineral and Outotec approved.

**2****MOLYLUBE® GEAR TAC TACKY OPEN GEAR LUBRICANT**

A high-viscosity paraffinic oil chemically fortified with Molyube Solids and Extreme Pressure additives. Proprietary polymer technology promotes superior retention properties, minimizing consumption and housekeeping. Maintains lube film in wet conditions. See PDS for temperature range and application instructions.

**3****MOLYLUBE® MILL GEAR GREASE**

An aluminum complex, semi-fluid gear lubricant specifically formulated to provide superior lubrication of Type 2 open gear systems. It provides retention characteristics, yet it drains freely from shrouds and troughs. Superior Extreme Pressure, anti-wear and anti-rust capability for extended component life while reducing consumption. Contains Molyube Solids. Heavy Grade - Metso Minerals approved.

**4****MOLYLUBE® SF 100 SEMI-SYNTHETIC OPEN GEAR LUBRICANT**

An environmentally friendly, state-of-the-art lubricant that excels as a multi-service open gear lubricant. An aluminum complex grease fortified with Molyube solids in a semi-synthetic base oil. Excellent Extreme Pressure and anti-wear properties. Proven unsurpassed performance in bushings. Exceeds all of the open gear lubricant requirements.





# HYDRAULICS

		Legacy Product Number	New SAP Product Number	Product Grade	Temperature	Multi-Vis Grade	Ashless	Wear, Rust, Corrosion & Foam Resistant	Product Type	Color
<b>1</b>	<b>Clear Blue Ashless AW Hydraulic Oil</b>	N/A N/A N/A	302258 302259 302260	ISO 32 ISO 46 ISO 68	<b>N</b>				<b>M</b>	
<b>2</b>	<b>No-Tox® BioFR Hydraulic 46</b>	65422	301919	ISO 46	<b>N</b>				<b>S</b> <b>E</b>	
<b>3</b>	<b>No-Tox® HD Food Grade Oil</b>	62680 62681 62682 62683 62684	301060 301002 301061 301240 300931	ISO 15 ISO 22 ISO 32 ISO 46 ISO 68	<b>L</b> <b>N</b>				<b>M</b> <b>E</b>	Colorless
<b>4</b>	<b>No-Tox® Syntra™ Food Grade Synthetic Oil</b>	64234 64235 64236	301315 301316 301590	ISO 32 ISO 46 ISO 68	<b>L</b> <b>N</b>				<b>S</b> <b>E</b>	Colorless
<b>5</b>	<b>Raylene Ashless Multi-Viscosity Hydraulic Oil</b>	71750	300938	ISO 46	<b>L</b> <b>N</b>				<b>M</b> <b>E</b>	

MINERAL    SEMI-SYNTHETIC    SYNTHETIC  
 BIODEGRADABLE    ECO-FRIENDLY    NSF® REGISTERED  
 LOW    NORMAL    HIGH  
TEMPERATURE

**1**

## CLEAR BLUE ASHLESS AW HYDRAULIC OIL

A special hydraulic fluid formulated from highly-refined base stocks and proprietary zinc-free additive technology to offer ultimate protection of operating equipment and the environment. The zinc-free (ashless, no ZDDP in composition) additive formulation was developed for service applications within environmentally sensitive areas such as parks, bodies of water, recreational areas, amusement parks, ski resorts, in-ground lifts and equipment operating in populated areas. **ATTRIBUTE: Anti-wear**

**2**

## NO-TOX<sup>®</sup> BIOFR HYDRAULIC 46

A HFD-U type fire resistant hydraulic fluid. It utilizes synthetic polyol ester type fire resistant hydraulic fluid designed for severe operating conditions in hydraulic applications where petroleum and other synthetic hydraulic fluids create a potentially unsafe environment and where a fire hazard exists. It maintains its fire resistant characteristics, providing extended safe service economically. It is Factory Mutual certified, NSF H1 registered and readily biodegradable. It is Kosher and Pareve approved, as well as Halal certified.

**3**

## NO-TOX<sup>®</sup> HD FOOD GRADE OIL

A series of multipurpose white mineral lubricating oils designed to provide exceptional anti-wear and rust/corrosion protection in a wide range of applications, including hydraulic systems, gear cases, chains, compressor, bearings and circulating systems and other applications.

**4**

## NO-TOX<sup>®</sup> SYNTRA<sup>™</sup> FOOD GRADE SYNTHETIC OIL

A synthetic, PAO-based, non-toxic, high-performance, multipurpose lubricant designed to provide exceptional anti-wear and rust/corrosion protection in a wide range of applications, including hydraulic systems, gear cases, chains, compressor, bearings and circulating systems and other applications found in the 'clean' industries, such as food, beverage, pharmaceutical and personal care.

**5**

## RAYLENE ASHLESS MULTI-VISCOSITY HYDRAULIC OIL

An ashless, zinc-free, premium-quality, multi-viscosity hydraulic oil designed for high- and low-pressure hydraulic systems. Contains foam, corrosion and oxidation-inhibitors. Its high-viscosity index and low pour point to ensure excellent fluidity on cold starts. Approved by Racine.





# MULTIPURPOSE

		Legacy Product Number	New SAP Product Number	Product Grade	Temperature	Extreme Pressure	Penetrating Fluid	Wear, Rust & Corrosion Resistant	Product Type	Color
<b>1</b>	<b>6 in 1® Multipurpose Lubricant</b>	12300 12310 (Spray)	301179 300873	ISO 3	L N				M E	
<b>2</b>	<b>No-Tox® Food Grade Divider Oil</b>	21100 24400 62320	301685 300991 301570	ISO 15 ISO 32 ISO 68	L N				M E	Colorless
<b>3</b>	<b>No-Tox® Food Grade Multipurpose Lubricant Spray</b>	61881	301561	ISO 100					M E	Colorless
<b>4</b>	<b>No-Tox® Food Grade White Grease Spray</b>	62440	301571	ISO 220 (Base), NLGI 2					M E	
<b>5</b>	<b>No-Tox® HD Food Grade Oil</b>	62680 62681 62682 62683 62684 62685 62686 62687 62688 62689	301060 301002 301061 301240 300931 301578 301579 301241 300920 301242	ISO 15 ISO 22 ISO 32 ISO 46 ISO 68 ISO 100 ISO 150 ISO 220 ISO 320 ISO 460	L N				M E	Colorless
<b>6</b>	<b>No-Tox® Syntra™ Food Grade Synthetic Oil</b>	64234 64235 64236 64237 64238 64239 64240 64241	301315 301316 301590 301591 301068 300934 301592 301317	ISO 32 ISO 46 ISO 68 ISO 100 ISO 150 ISO 220 ISO 320 ISO 460	L N				S E	Colorless

MINERAL    SEMI-SYNTHETIC    SYNTHETIC  
 BIODEGRADABLE    ECO-FRIENDLY    NSF® REGISTERED  
 LOW    NORMAL    HIGH  
TEMPERATURE

**1**

## 6 IN 1<sup>®</sup> MULTIPURPOSE LUBRICANT

A high-performance semi-synthetic multipurpose lubricant. The exceptional lubrication and penetrating properties make the removal of frozen fasteners, rusted bolts and fittings fast and easy. Displaces water, cleans as it lubricates and provides excellent rust protection. USDA H2 rated and is highly recommended for protection of electrical contacts and connections in damp environments. **ATTRIBUTE: Aerosol Option**

**2**

## NO-TOX<sup>®</sup> FOOD GRADE DIVIDER OIL

A non-staining, general purpose lubricant that can be used as a knife lubricant, divider oil, rust protector, mold-release agent and more in the 'clean' industries. H1 and 3H registered.

**3**

## NO-TOX<sup>®</sup> FOOD GRADE MULTIPURPOSE LUBRICANT SPRAY

A versatile, general-purpose lubricant designed for all types of equipment found in the 'clean' industries, such as food, beverage, pharmaceutical and personal care. Ideal for preventing rust and displacing water from equipment parts; cleans, lubricates and preserves. **ATTRIBUTE: Aerosol**

**4**

## NO-TOX<sup>®</sup> FOOD GRADE WHITE GREASE SPRAY

A premier, high-performance grease fortified with low-friction lubricating solids, anti-wear additives and rust inhibitors designed to provide the optimum equipment and operational protection to the machinery. **ATTRIBUTE: Aerosol**

**5**

## NO-TOX<sup>®</sup> HD FOOD GRADE OIL

A series of multipurpose white mineral lubricating oils designed to provide exceptional anti-wear and rust/corrosion protection in a wide range of applications, including hydraulic systems, gear cases, chains, compressor, bearings and circulating systems and other applications found in the 'clean' industries, such as food, beverage, pharmaceutical and personal care.

**6**

## NO-TOX<sup>®</sup> SYNTRA<sup>™</sup> FOOD GRADE SYNTHETIC OIL

A synthetic, PAO-based, non-toxic, high-performance, multipurpose lubricant designed to provide exceptional anti-wear and rust/corrosion protection in a wide range of applications, including hydraulic systems, gear cases, chains, compressor, bearings and circulating systems and other applications found in the 'clean' industries, such as food, beverage, pharmaceutical and personal care.

**Technical Questions?** Visit [belray.com](http://belray.com) and contact our Technical Services department.

# SPECIALTY

		Legacy Product Number	New SAP Product Number	Product Grade	Anti-Seize	Mold Release Agents	Penetrating Fluid	Rust Preventative	Product Type	Color
<b>1</b>	<b>Electric Switch Contact Black Grease</b>	54850	301216	100 (Base), NLGI 2					 	
<b>2</b>	<b>Electric Switch Contact White Grease</b>	51100	301532	220/320 (Base), NLGI 2					 	
<b>3</b>	<b>High Temperature Anti-Seize Compound</b>	44500	301526	68 (Base), NLGI 1						
<b>4</b>	<b>Kiln Car Grease</b>	45810	300994	32 (Base), NLGI 1					 	
<b>5</b>	<b>Mold Release Compound</b>	72050	301763	ISO 100 (Base), NLGI 2					 	
<b>6</b>	<b>Molyube® Anti-Seize Compound</b>	67710 67700	301610 301082	NLGI 1 NLGI 2						

 MINERAL   
  SEMI-SYNTHETIC   
  SYNTHETIC  
 BIODEGRADABLE   
  ECO-FRIENDLY   
  NSF® REGISTERED

**1****ELECTRIC SWITCH CONTACT BLACK GREASE**

Non-melting, anti-seize paste with PTFE and moly for exceptional low frictional properties and load-carrying ability of sliding surfaces and thread applications. Use will result in break-away torque, a positive measure of its effectiveness. Thermal stability prevents seizing, galling, deterioration and minimizes friction for a long and useful life.

**2****ELECTRIC SWITCH CONTACT WHITE GREASE**

A clean, non-melting anti-seize paste with PTFE for exceptional low frictional properties and load-carrying ability of sliding surfaces and thread applications. Thermal stability prevents seizing, galling, deterioration and minimizes friction for a long and useful life.

**3****HIGH TEMPERATURE ANTI-SEIZE COMPOUND**

An outstanding anti-seize and lubricating compound for threaded and static parts that prevents galling, rust, fretting, galvanic pitting, seizure and corrosion of threads. Preserves integrity during long and severe service and promotes easy disassembly. Its unique blend of graphite and copper lubricating solids allows for exceptional performance at both elevated and ambient temperatures. Useful temperature range -29°C to 1093°C (-20°F to 2000°F).

**4****KILN CAR GREASE**

A synthetic, high-temperature kiln car lubricating grease containing high-performance graphite capable of lubrication up to 538°C (1000°F).

**5****MOLD RELEASE COMPOUND**

A mineral-based, paste mold release paste with an organoclay thickener for high-temperature applications. It is light-colored and will not have an effect on molded pieces.

**6****MOLYLUBE® ANTI-SEIZE COMPOUND**

A non-melting, organoclay grease with 40% of molybdenum disulfide and graphite lubricating solids that protects threads from galling, seizing and fretting. Extreme Pressure properties protect threads from galling, seizing and fretting. Superb rust/corrosion protection.

**Technical Questions?** Visit [belray.com](http://belray.com) and contact our Technical Services department.

# SPECIALTY

		Legacy Product Number	New SAP Product Number	Product Grade	Anti-Seize	Mold Release Agents	Penetrating Fluid	Rust Preventative	Product Type	Color
<b>1</b>	<b>Molyube® Anti-Seize Silicone Compound With Moly</b>	14600	300988	NLGI 2					 	
<b>2</b>	<b>Molyube® Copper Tool Joint Compound</b>	21020	301190	NLGI 1						
<b>3</b>	<b>No-Tox® Food Grade Air Line Lubricant</b>	62050	301564	ISO 22					  	Colorless
<b>4</b>	<b>No-Tox® Food Grade Seamer Oil</b>	64227	301312	ISO 150					  	Colorless
<b>5</b>	<b>No-Tox® Food Grade Silicone Lubricant Spray</b>	61780	300879	ISO 320					  	Colorless
<b>6</b>	<b>Sugar Clear Gear &amp; Bearing Lubricant</b>	21342	301691	Heavy					 	Colorless

 MINERAL   
  SEMI-SYNTHETIC   
  SYNTHETIC  
 BIODEGRADABLE   
  ECO-FRIENDLY   
  NSF® REGISTERED

**1**

## **MOLYLUBE® ANTI-SEIZE SILICONE COMPOUND WITH MOLY**

An anti-seize compound containing a high percentage of molybdenum disulfide. The base fluid is silicone, which offers excellent high- and low-temperature characteristics. It is very resistant to oxidation and is not subject to gum or varnish formation. For continuous operation, the temperature range is -46°C to 204°C (-50°F to 400°F) with fringe temperatures up to 316°C (600°F).

**2**

## **MOLYLUBE® COPPER TOOL JOINT COMPOUND**

Developed for severe applications such as those found in surface and underground mining rock drills and rotary head drills. Recommended for applications involving high-temperature and pressure, vibration and worn or damaged threads. Brush on at 'make-up,' provides excellent protection even when threads become very hot. Excellent rust prevention and wear protection while ensuring easy disassembly properties with low breakout torques.

**3**

## **NO-TOX® FOOD GRADE AIR LINE LUBRICANT**

Designed with air line and pneumatic tools in mind, this versatile lubricant maximizes air tool life while optimizing pneumatic system performance.

**4**

## **NO-TOX® FOOD GRADE SEAMER OIL**

Specifically designed for can seaming equipment. Excellent in high-moisture environments.

**5**

## **NO-TOX® FOOD GRADE SILICONE LUBRICANT SPRAY**

A high-viscosity silicone aerosol lubricant designed for general purpose use in a wide range of applications. **ATTRIBUTE: Aerosol**

**6**

## **SUGAR CLEAR GEAR & BEARING LUBRICANT**

A high viscosity, synthetic blend lubricant for open gears and bearings found in the sugar processing industry. The product is compounded with a proprietary chemical system that includes Extreme Pressure, anti-wear and rust and corrosion protection. Synthetic polymers maximize film formation and bearing sealing to eliminate in-season production losses.

**Technical Questions?** Visit [belray.com](http://belray.com) and contact our Technical Services department.



**1**

## BIODEGRADABLE WIRE ROPE LUBRICANT

A unique rope lubricant that maximizes rope, sheave and drum life without harming the environment. Approximately 85% biodegradable in 28 days. Excellent for sensitive environments including marine areas. The rate of biodegradation is performed by the ASTM test Method D5864 (OECD 301B Modified Sturm Test).

**2**

## NON MELT WIRE ROPE COATING GREASE

A general purpose, non-melting grease that is formulated for optimum water resistance, adhesion, mechanical stability, corrosion protection and oxidation resistance. The bodying agent in the Non-Melt Wire Rope Coating Grease is a stable chemical compound. This feature makes it completely structurally and chemically stable under all service and storage conditions. It won't corrode steel and copper bearing alloys and is compatible with conventional seal materials and with all Kirkpatrick Wire Rope Lubrication Systems. Suitable for use with clamp type wire rope lubricator system.

**3**

## WIRE ROPE LUBRICANT

A specially formulated penetrating lubricant for wire ropes. Can be applied directly onto wet ropes while providing excellent adhesive properties, reducing consumption. Prevents inner strand corrosion and rubbing wear. It is an all-season product that does not require change of grades as temperatures fluctuate. Applicable manually or through most automatic lube systems. Useful temperature range -46°C to 60°C (-50°F to 140°F).





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ISO 46	Drum 301919150007   Pail 301919150025		20
<b>No-Tox® Food Grade Air Line Lubricant</b>			
ISO 22	Drum 301564150007   Pail 301564150025		26
<b>No-Tox® Food Grade Chain Lubricant</b>			
ISO 100	Drum 301056150007   Pail 301056150025		12
<b>No-Tox® Food Grade Clear Grease</b>			
NLGI 1	Keg 301567150013   Pail 301567150025   Sm Pail 301567150020   Cartridge 301567150230		8
NLGI 1.5	Drum 301234150002   Cartridge 301234150230		8
NLGI 2	Drum 301568150002   Keg 301568150013   Pail 301568150025   Cartridge 301568150230		8
<b>No-Tox® Food Grade Divider Oil</b>			
ISO 15	Drum 301685150007   Pail 301685150025		22
ISO 32	Drum 300991150002   Pail 300991150025		22
ISO 68	Drum 301570150007   Pail 301570150025		22
<b>No-Tox® Food Grade Extreme Pressure Grease</b>			
NLGI 0	Keg 301243150013   Lined Keg 301243150014		8
<b>No-Tox® Food Grade Low Temperature Grease</b>			
NLGI 1	Drum 301573150002   Pail 301573150025   Cartridge 301573150230		8
<b>No-Tox® Food Grade Multipurpose Lubricant Spray</b>			
ISO 100	Aerosol 301561150285		12, 22
<b>No-Tox® Food Grade Seamer Oil</b>			
ISO 150	Wire Mesh Bin 301312150340   Drum 301312150007		26
<b>No-Tox® Food Grade Silicone Lubricant Spray</b>			
ISO 320	Aerosol 300879150285		26
<b>No-Tox® Food Grade Synthetic Extreme Pressure Grease</b>			
NLGI 1	Drum 301598150002   Keg 301598150013   Lined Keg 301598150014   Pail 301598150025   Cartridge 301598150230		8
NLGI 2	Keg 301319150013   Lined Keg 301319150014   Pail 301319150025   Cartridge 301319150230		8
<b>No-Tox® Food Grade Waterproof Chain Lubricant</b>			
ISO 460	Drum 301247150007   Pail 301247150025		12
ISO 460 (Spray)	Aerosol 301248150285		12
<b>No-Tox® Food Grade White Grease Spray</b>			
ISO 220 (Base), NLGI 2	Aerosol 301571150285		22
<b>No-Tox® HD Food Grade Grease</b>			
NLGI 1	Drum 301569150002   Lined Keg 301569150014   Keg 301569150013   Pail 301569150025   Cartridge 301569150230		10
NLGI 2	Drum 301059150002   Lined Keg 301059150014   Keg 301059150013   Pail 301059150025   Sm Pail 301059150020   Cart 301059150230		10
<b>No-Tox® HD Food Grade Oil (Continued on next page)</b>			
ISO 15	Drum 301060150007		20, 22
ISO 22	Drum 301002150007		20, 22
ISO 32	Bin 301061150340   Drum 301061150007   Pail 301061150025		20, 22
ISO 46	Bin 301240150340   Drum 301240150007   Pail 301240150025		14, 20, 22
ISO 68	Bin 300931150340   Drum 300931150007   Pail 300931150025		14, 20, 22

PRODUCT GRADE		AVAILABLE PACKAGING	PAGE #
<b>No-Tox® HD Food Grade Oil (Continued)</b>			
ISO 100		<b>Drum</b> 301578150007   <b>Pail</b> 301578150025	14, 16, 22
ISO 150		<b>Bin</b> 301579150340   <b>Drum</b> 301579150007   <b>Pail</b> 301579150025	16, 22
ISO 220		<b>Drum</b> 301241150007   <b>Pail</b> 301241150025	16, 22
ISO 320		<b>Drum</b> 300920150007   <b>Pail</b> 300920150025   <b>4 Liter</b> 300920150135	16, 22
ISO 460		<b>Drum</b> 301242150007   <b>Pail</b> 301242150025	16, 22
<b>No-Tox® Syntra™ Food Grade Synthetic Oil</b>			
ISO 32		<b>Drum</b> 301315150007   <b>Pail</b> 301315150025	12, 14, 20, 22
ISO 46		<b>Drum</b> 301316150007   <b>Pail</b> 301316150025	14, 20, 22
ISO 68		<b>Drum</b> 301590150007   <b>Pail</b> 301590150025	14, 20, 22
ISO 100		<b>Drum</b> 301591150007   <b>Pail</b> 301591150025	14, 16, 22
ISO 150		<b>Drum</b> 301068150007   <b>Pail</b> 301068150025	14, 16, 22
ISO 220		<b>Drum</b> 300934150007   <b>Pail</b> 300934150025	16, 22
ISO 320		<b>Drum</b> 301592150007   <b>Pail</b> 301592150025	16, 22
ISO 460		<b>Drum</b> 301317150007   <b>Pail</b> 301317150025	16, 22
<b>Non-Melt Wire Rope Coating Grease</b>			
3		<b>Pail</b> 301206150025	28
<b>Raylene Ashless Multi-Viscosity Hydraulic Oil</b>			
ISO 46		<b>Wire Mesh Bin</b> 300938150340   <b>Drum</b> 300938150007	20
<b>Semi-Fluid Grease</b>			
N/A		<b>Pail</b> 301212150025	16
<b>Sugar Clear Gear &amp; Bearing Lubricant</b>			
Heavy		<b>Drum</b> 301691150002	26
<b>Synthetic Chain Lubricant</b>			
ISO 220		<b>Drum</b> 301232150007	12
<b>Synthetic Ester Compressor Oil</b>			
ISO 46		<b>Pail</b> 301226150025	14
ISO 68		<b>Drum</b> 301227150007	14
<b>Synthetic Gear Oil</b>			
ISO 220		<b>Drum</b> 301321150007	16
ISO 320		<b>Wire Mesh Bin</b> 301605150340   <b>Drum</b> 301605150007	16
ISO 460		<b>Drum</b> 301606150007	16
ISO 680		<b>Wire Mesh Bin</b> 301607150340   <b>Drum</b> 301607150007	16
ISO 1000		<b>Drum</b> 301608150007	16
<b>Termalene® Extreme Pressure Grease LC</b>			
NLGI 1		<b>Keg</b> 301087150014	10
<b>Termalene® Heavy Duty Construction Grease</b>			
NLGI 2		<b>Drum</b> 301338150002   <b>Cartridge</b> 301338150230	10
<b>Termalene® Multipurpose Extreme Pressure Grease</b>			
NLGI 1		<b>Lined Drum</b> 301765150004	10
NLGI 2		<b>Cartridge</b> 301091150230	10

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<b>Transmission Fluid TO-4</b>		
SAE 10W	<b>Bulk</b> 302302150000   <b>Drum</b> 302302150007   <b>Pail</b> 302302150017	<b>16</b>
SAE 30W	<b>Bulk</b> 302303150000   <b>Drum</b> 302303150007   <b>Pail</b> 302303150017	<b>16</b>
SAE 50W	<b>Bulk</b> 302304150000   <b>Drum</b> 302304150007   <b>Pail</b> 302304150017	<b>16</b>
<b>Turbine Oil</b>		
ISO 32	<b>Bulk</b> 302152150000	<b>16</b>
ISO 68	<b>Bulk</b> 302154150000	<b>16</b>
ISO 100	<b>Bulk</b> 302171150000	<b>16</b>
ISO 150	<b>Bulk</b> 302172150000	<b>16</b>
<b>Waterproof Chain Lubricant</b>		
ISO 680 (Spray)	<b>Aerosol</b> 300883150285	<b>12</b>
<b>Waterproof Grease</b>		
NLGI 2	<b>Drum</b> 301293150002   <b>Cartridge</b> 301293150230   <b>16 oz Tub</b> 301293150225	<b>10</b>
<b>Wire Rope Lubricant</b>		
High Viscosity	<b>Wire Mesh Bin</b> 301602150340   <b>Drum</b> 301602150007	<b>28</b>
Low Viscosity	<b>Pail</b> 301603150025	<b>28</b>









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