BEL-RAY

TOTAL PERFORMANCE LUBRICANTS

INDUSTRIAL & FOOD GRADE

LUBRICATION GUIDE

BEL-RAY® LEGACY

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 powersports, 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 serves 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

*NSF H1 = Incidental Food Contact

**NSF 3H = Direct Food Contact

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

NSF Nonfood Compounds H1, 3H

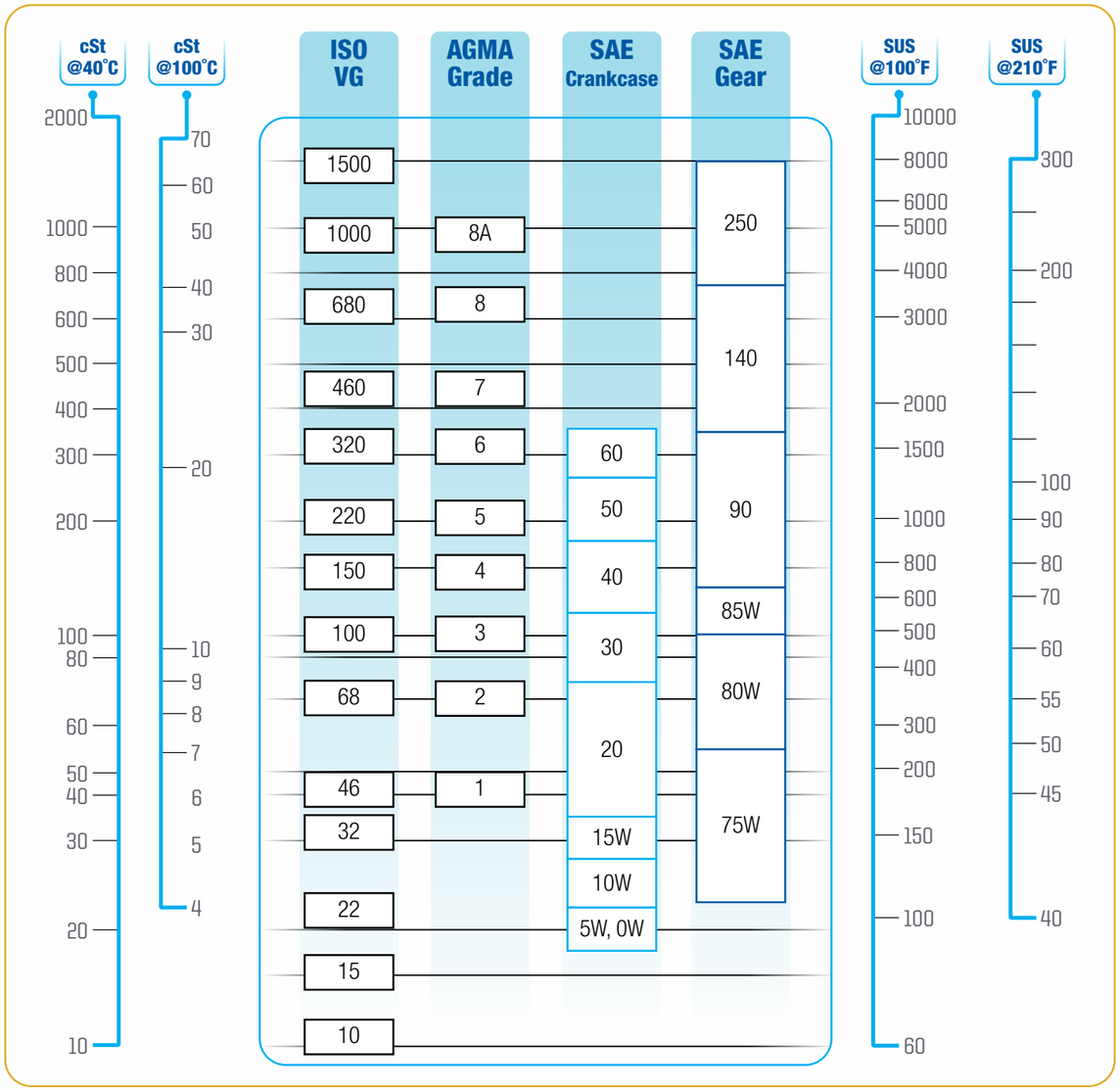
NSF® is a registered trademark of NSF International.
The Halal logo is a registered trademark of the Islamic Food and Nutrition Council of America (IFANCA).

TABLE OF CONTENTS

VISCOSITY CHART	2	OPEN GEARS	22
NLGI CHART	3	HYDRAULICS	24
BEARINGS	4	MULTIPURPOSE	26
CHAINS	10	SPECIALTY	28
COMPRESSORS	14	WIRE ROPES	32
ENGINE OIL	16	PRODUCT INDEX	34
ENCLOSED GEARS	18		

VISCOSITY CHART

VISCOSITY CLASSIFICATION EQUIVALENTS



Many petroleum products are graded according to the ISO Viscosity Classification System, approved by the International Organization for Standardization (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 =~ cSt @ 40°C.

REFERENCE CHARTS

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

BEARING SPEED ICON REFERENCE CHART

CHART ICON	SPEED	SPEED FACTOR (NDm)	BASE OIL VISCOSITY GRADE AT 40°C
L	**Low**	<100,000	ISO VG 460 - 1500
M	**Medium**	100,000 – 200,000	ISO VG 150 - 220
H	**High**	200,000 – 400,000	ISO VG 100
N/A	**Very High**	>400,000	ISO VG 22

Please consult equipment and/or bearing manufacturers for specific requirements.
The source for the above table is:
Page 149 in NLGI Lubricating Grease Guide, Seventh Edition.

BEARINGS

		SAP Product Number	Product Grade	Base Oil ISO VG	Speed	Extreme Pressure	Rust, Corrosion & Water Resistant	Product Type	NSF Registered	ISO 21469	Color
1	MOLYLUBE® 3% MOLY EXTREME PRESSURE GREASE LC	301084 300885 301613	NLGI 0 NLGI 1 NLGI 2	150 220 220	M	●	●	M			Gray
2	MOLYLUBE 5% MOLY EXTREME PRESSURE GREASE AC	301753 300886 300936	NLGI 0 NLGI 1 NLGI 2	150 220 220	M H	●	●	M			Gray
3	MOLYLUBE 5% MOLY EXTREME PRESSURE GREASE LC	301612	NLGI 1	220	L M	●	●	M			Gray
4	MOLYLUBE 87M EXTREME PRESSURE GREASE 150-0	301187	NLGI 1	150	M	●	●	M			Gray
5	MOLYLUBE EXTREME PRESSURE GREASE AC	301201 301696	NLGI 1 NLGI 2	220 150/220	M	●	●	M			Black
6	MOLYLUBE EP GREASE CSC 1	500962	NLGI 1	220	M	●	●	M			Gray
7	MOLYLUBE EXTREME PRESSURE HIGH VISCOSITY GREASE	301679 301682	NLGI 1 NLGI 2	680 680	L M	●	●	M			Gray

PRODUCT TYPE

M MINERAL · SS SEMI-SYNTHETIC · S SYNTHETIC · BB BIO-BASED

SPEED

L LOW · M MEDIUM · H HIGH

BENEFITS & CERTIFICATIONS

B READILY BIODEGRADABLE · H1 NSF REGISTERED - **H1** · 3H NSF REGISTERED - **3H** · ISO 21469

1 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 anti-wear and Extreme Pressure properties, excellent mechanical and thermal stability, rust and corrosion protection and resistance to water washout. Exceeds all of the multipurpose grease requirements of walking draglines, electric rope shovels, hydraulic excavators, haul trucks and rolling stock. Meets the requirements of the major OEMs for multipurpose Extreme Pressure greases. Useful temperature range -18ºC to 177ºC (0ºF to 350ºF). **THICKENER:** Lithium Complex

2 MOLYLUBE 5% MOLY EXTREME PRESSURE GREASE AC

A high-performance, aluminum complex grease containing 5% 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, hydraulic excavators, haul trucks and rolling stock. Meets the requirements of all major OEMs for multipurpose Extreme Pressure greases. Exceeds the requirements of Komatsu America AA00212 grease specification for haul trucks. Useful temperature range -18ºC to 177ºC (0ºF to 350ºF). **THICKENER:** Aluminum Complex

3 MOLYLUBE 5% MOLY EXTREME PRESSURE GREASE LC

A high-performance, lithium complex grease containing 5% 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, hydraulic excavators, haul trucks and rolling stock. Meets the requirements of all major OEMs for multipurpose Extreme Pressure greases. Useful temperature range -18ºC to 177ºC (0ºF to 350ºF). **THICKENER:** Lithium Complex

4 MOLYLUBE 87M EXTREME PRESSURE GREASE 150-0

Molylube 87M EP Grease is an aluminum complex multi-purpose Extreme Pressure grease. It contains Molylube Solids, a Bel-Ray proprietary blend of molybdenum disulfide and select graphite. Exceeds the requirements of most OEMs for multi-purpose grease. Useful temperature range -18ºC to 177ºC (0ºF to 350ºF). **THICKENER:** Aluminum Complex

5 MOLYLUBE EXTREME PRESSURE GREASE AC

A high-performance 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 the multipurpose grease requirements of walking draglines, electric rope shovels and hydraulic excavators. Useful temperature range -12°C to 177°C (10°F to 350°F). **THICKENER:** Aluminum Complex

6 MOLYLUBE EP GREASE CSC 1

A high-performance calcium sulfonate complex grease with 5% Molylube Solids, a Bel-Ray proprietary blend of molybdenum disulfide and select graphite. Excellent anti-wear and Extreme Pressure capabilities. Excellent mechanical and thermal stability, rust and corrosion protection. Water washout resistant. Exceeds all of the multipurpose grease requirements of walking draglines, electric rope shovels, hydraulic excavators, haul trucks and rolling stock. Meets the requirements of all major OEMs for multipurpose Extreme Pressure greases. Useful temperature range -30°C to 177°C (-22°F to 350°F). **THICKENER:** Calcium Sulfonate Complex

7 MOLYLUBE EXTREME PRESSURE HIGH VISCOSITY GREASE

A high viscosity base oil aluminum complex grease fortified with polymers and Molylube Solids, a Bel-Ray proprietary blend of molybdenum disulfide and select graphite. Excellent Extreme Pressure and anti-wear properties. Excellent mechanical and thermal stability. Water washout resistant. Grades 680-1 and 1000-1 are Komatsu Mining-Germany approved. Useful temperature range 0°C to 177°C (32°F to 350°F). **THICKENER:** Aluminum Complex

Technical Questions? Visit belray.com and contact our Technical Services department.

BEARINGS

		SAP Product Number	Product Grade	Base Oil ISO VG	Speed	Extreme Pressure	Rust, Corrosion & Water Resistant	Product Type	NSF Registered	ISO 21469	Color
1	MOLYLUBE HIGH TEMPERATURE GREASE	301184	NLGI 1	150/ 220	L, M	●	●	S			Gray
2	MOLYLUBE LOW TEMPERATURE MULTIPURPOSE GREASE	301042	NLGI 1	46	M, H	●	●	M			Gray
3	MOLYLUBE MULTIPURPOSE EXTREME PRESSURE GREASE WITH MOLY	301524	NLGI 1	220	M, H	●	●	M			Black
4	NO-TOX® FOOD GRADE CLEAR GREASE	301567 301234 301568	NLGI 1 NLGI 1.5 NLGI 2	100	L, M		●	M	H1	●	Clear
5	NO-TOX FOOD GRADE EXTREME PRESSURE GREASE	301243	NLGI 0	100	M, H	●	●	M	H1	●	White
6	NO-TOX FOOD GRADE LOW TEMPERATURE GREASE	301573	NLGI 1	32	M, H		●	S	H1	●	White
7	NO-TOX FOOD GRADE SYNTHETIC EXTREME PRESSURE GREASE	301598 301319	NLGI 1 NLGI 2	220	L, H	●	●	S	H1	●	White

PRODUCT TYPE

M MINERAL · SS SEMI-SYNTHETIC · S SYNTHETIC · BB BIO-BASED

SPEED

L LOW · M MEDIUM · H HIGH

BENEFITS & CERTIFICATIONS

B READILY BIODEGRADABLE · H1 NSF REGISTERED - **H1** · 3H NSF REGISTERED - **3H** · ISO 21469

1 MOLYLUBE HIGH TEMPERATURE GREASE

A synthetic ester-based high-temperature grease with molybdenum disulfide and graphite. Designed for extended lubrication cycles in heavily loaded, high-temperature applications. Low residue base fluids and thickener allow for clean evaporation at high temperature leaving select solids to lubricate in a solid film form. Useful temperature range -18°C to 316°C (0°F to 600°F). **THICKENER:** Sodium Terephthalamate

2 MOLYLUBE LOW TEMPERATURE MULTIPURPOSE GREASE

An aluminum complex grease fortified with Molylube Solids, a Bel-Ray proprietary blend of molybdenum disulfide and select graphite. Excellent Extreme Pressure and anti-wear capabilities. Outstanding mechanical and thermal stability. Water washout resistant. 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. Excellent Extreme Pressure and anti-wear capabilities. Outstanding mechanical and thermal stability. Water washout resistant. Rust and corrosion protection. Exceeds most OEM requirements for a multipurpose grease. Useful temperature range -26°C to 177°C (-15°F to 350°F). **THICKENER:** Aluminum Complex

4 NO-TOX® FOOD GRADE CLEAR GREASE

A multipurpose aluminum complex food machinery grease developed specifically for use in the “clean” industries, such as food, beverage, pharmaceutical and personal care product manufacturing and packaging. Mineral oil-based. Water washout resistant. Includes rust and corrosion inhibitors. NSF H-1 and ISO 21469 registered. PFA-free. 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 multipurpose aluminum complex food machinery grease developed specifically for use in the “clean” industries, such as food, beverage, pharmaceutical and personal care product manufacturing and packaging. Mineral oil-based. Fortified with Extreme Pressure and anti-wear chemistries. Water washout resistant. Includes rust, corrosion and oxidation inhibitors. NSF H-1 and ISO 21469 registered. 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 multipurpose aluminum complex food machinery grease developed specifically for use in the “clean” industries, such as food, beverage, pharmaceutical and personal care product manufacturing and packaging. PAO-based. Fortified with Extreme Pressure and anti-wear chemistries. Water washout resistant. Includes rust, corrosion and oxidation inhibitors. NSF H-1 and ISO 21469 registered. Useful temperature range -45°C to 177°C (-49°F to 350°F). **THICKENER:** Aluminum Complex

7 NO-TOX FOOD GRADE SYNTHETIC EXTREME PRESSURE GREASE

A synthetic multipurpose aluminum complex food machinery grease developed specifically for use in the “clean” industries, such as food, beverage, pharmaceutical and personal care product manufacturing and packaging. PAO-based. Fortified with Extreme Pressure and anti-wear chemistries. Water washout resistant. Includes rust, corrosion and oxidation inhibitors. NSF H-1 and ISO 21469 registered. Useful temperature range -50°C to 177°C (-49°F to 350°F). **THICKENER:** Aluminum Complex

Technical Questions? Visit belray.com and contact our Technical Services department.

BEARINGS

		SAP Product Number	Product Grade	Base Oil ISO VG	Speed	Extreme Pressure	Rust, Corrosion & Water Resistant	Product Type	NSF Registered	ISO 21469	Color
1	NO-TOX HD FOOD GRADE GREASE	301569 301059	NLGI 1 NLGI 2	220	M		●	M	H1	●	White
2	TERMALENE® EXTREME PRESSURE GREASE LC	301087	NLGI 1	220	M	●	●	M			Red
3	TERMALENE GREASE 2	301766	NLGI 2	180	M	●	●	M			Blue/ Green
4	TERMALENE MULTIPURPOSE EXTREME PRESSURE GREASE	301765 301091	NLGI 1 NLGI 2	150/ 220	M	●	●	M			Red
5	TERMALENE HEAVY DUTY CONSTRUCTION GREASE	301338	NLGI 2	220/ 320	L M	●	●	M			Red
6	WATERPROOF GREASE	301293	NLGI 2	150/ 220	M		●	M			Green

PRODUCT TYPE

M MINERAL · SS SEMI-SYNTHETIC · S SYNTHETIC · BB BIO-BASED

SPEED

L LOW · M MEDIUM · H HIGH

BENEFITS & CERTIFICATIONS

B READILY BIODEGRADABLE · H1 NSF REGISTERED - **H1** · 3H NSF REGISTERED - **3H** · ISO 21469

1 NO-TOX HD FOOD GRADE GREASE

A multipurpose aluminum complex food machinery grease developed specifically for use in the “clean” industries, such as food, beverage, pharmaceutical and personal care product manufacturing and packaging. Mineral oil-based. Fortified with Extreme Pressure and anti-wear chemistries. Water washout resistant. Includes rust, corrosion and oxidation inhibitors. NSF H-1 and ISO 21469 registered. Useful temperature range -10°C to 177°C (14°F to 350°F). **THICKENER:** Aluminum Complex

2 TERMALENE® EXTREME PRESSURE GREASE LC

A general purpose lithium complex grease. Mineral oil-based grease. Anti-wear and moderate Extreme Pressure properties. Water washout resistant. Rust, corrosion and oxidation inhibitors. Designed for a wide range of applications. Useful temperature range -40°C to 177°C (-40°F to 350°F). **THICKENER:** Lithium Complex

3 TERMALENE GREASE 2

A general purpose aluminum complex grease. Mineral oil-based grease. Anti-wear and moderate Extreme Pressure properties. Water washout resistant. Rust, corrosion and oxidation inhibitors. Designed for a wide range of applications. C.I.D. 50433 compliant. Useful temperature range -40°C to 177°C (-40°F to 350°F). **THICKENER:** Aluminum Complex

4 TERMALENE MULTIPURPOSE EXTREME PRESSURE GREASE

A mineral oil-based aluminum complex grease with Extreme Pressure and anti-wear properties that is water washout resistant. Ideal for use in high load, high shear applications with excellent lubrication in the presence of water and protection against rust. Excellent for bushing and pin applications with useful temperature range -18°C to 177°C (0°F to 350°F). **THICKENER:** Aluminum Complex

5 TERMALENE HEAVY DUTY CONSTRUCTION GREASE

A very tacky aluminum complex grease with exceptional retention properties. Extreme Pressure and anti-wear properties. Extremely adhesive and virtually waterproof. Rust, corrosion and oxidation inhibitors. Polymers make the grease very impact resistant. Useful temperature range -12°C to 177°C (10°F to 350°F). **THICKENER:** Aluminum Complex-Polymer

6 WATERPROOF GREASE

A very tacky waterproof aluminum complex grease. Excellent sealing capabilities prevent water and dirt contamination. Useful temperature range -18°C to 177°C (0°F to 350°F). **THICKENER:** Aluminum Complex-Polymer

Technical Questions? Visit belray.com and contact our Technical Services department.

CHAINS

		SAP Product Number	Product Grade	Temperature	Extreme Pressure	Penetrating	Anti-Wear, Anti-Rust, Anti-Corrosion	Product Type	NSF Registered	ISO 21469	Color
1	BAKERYLUBE™ OVEN CHAIN LUBRICANT	301543	N/A	L N H	●	●	●	M			Black
2	NO-TOX FOOD GRADE CHAIN LUBRICANT	301056	ISO 100	N		●	●	M	H1	●	Yellow
3	NO-TOX FOOD GRADE MULTIPURPOSE LUBRICANT SPRAY	301561	ISO 460 (Spray)	N		●	●	M	H1		Colorless
4	NO-TOX FOOD GRADE WATERPROOF CHAIN LUBRICANT	301247	ISO 460	N		●	●	M	H1	●	Yellow

PRODUCT TYPE

M MINERAL · SS SEMI-SYNTHETIC · S SYNTHETIC · BB BIO-BASED

TEMPERATURE*

L LOW · N NORMAL · H HIGH

BENEFITS & CERTIFICATIONS

B READILY BIODEGRADABLE · H1 NSF REGISTERED - **H1** · 3H NSF REGISTERED - **3H** · ISO 21469

*Consult PDS and equipment OEM for specific requirements and guidelines.

1 BAKERYLUBE™ OVEN CHAIN LUBRICANT

Bel-Ray Bakerylube™ Oven Chain Lubricant is engineered to provide superior lubrication to chain links/plates, pins, bushings/rollers, and sprockets. Bakerylube Oven Chain Lubricant is a mixture of carrier fluid and finely divided, high purity graphite powder. The carrier fluid of Bakerylube Oven Chain Lubricant is designed to evaporate and deposit the graphite lubricant to the crucial points of the baking oven chain and is formulated to minimize smoke and fire risks. Bel-Ray Bakerylube Oven Chain Lubricant is recommended for oven chain applications up to 870°C (1,600°F) and is suitable for use in food processing areas where there is no potential for contact with food.

2 NO-TOX FOOD GRADE CHAIN LUBRICANT

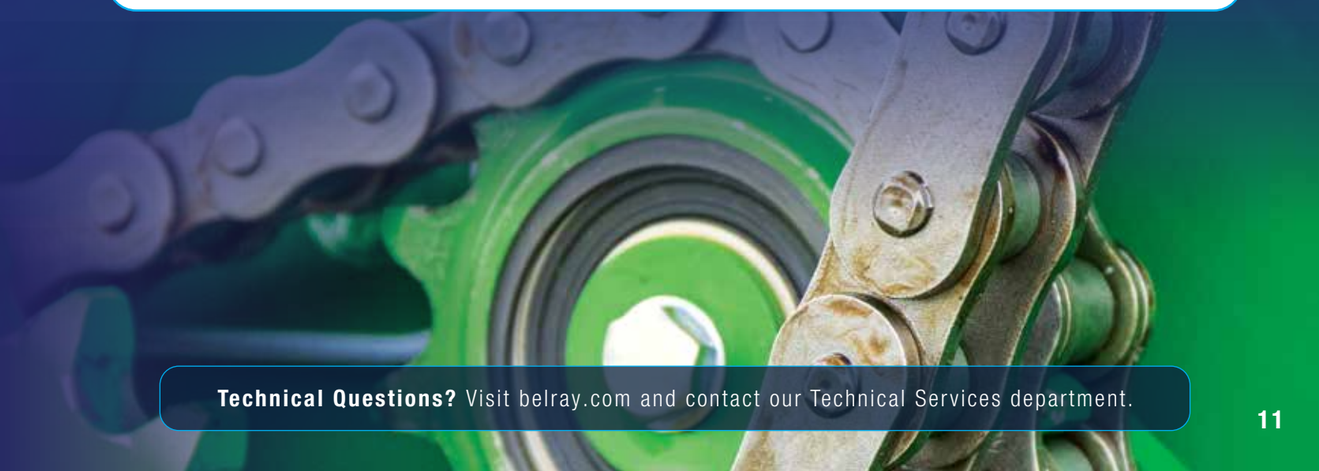
No-Tox® Food Grade Chain Lubricant, commonly known as No-Tox Chain Lubricant 550, coats and penetrates to lubricate the sprockets, links, pins and bushings to reduce friction and wear, and is fortified with rust and corrosion inhibitors for added chain protection. No-Tox Food Grade Chain Lubricant is a blend of white mineral oil with performance enhancing additives to give outstanding anti-wear and rust protection. Its unique formulation provides the chain with protection against rust and metal-to-metal contact. No-Tox Food Grade Chain Lubricant, formulated with the highest quality ingredients, meets NSF H1 and FDA requirements for materials that may have incidental contact with food as defined under Title 21 CFR, 178.3570. It is Kosher and Pareve approved, as well as Halal certified. ISO 21469 certified food grade lubricant.

3 NO-TOX FOOD GRADE MULTIPURPOSE LUBRICANT SPRAY

No-Tox Food Grade Multipurpose Lubricant Spray is a food grade lubricant that cleans, lubricates, and preserves, and is ideal for preventing rust and displacing water from equipment parts. No-Tox Food Grade Multipurpose Lubricant Spray, formulated with the highest quality ingredients, meets NSF H1 and FDA requirements for materials that may have incidental contact with food as defined under Title 21 CFR, 178.3570. It is Kosher and Pareve approved, as well as Halal certified. ISO 21469 certified food grade lubricant.

4 NO-TOX FOOD GRADE WATERPROOF CHAIN LUBRICANT

No-Tox Food Grade Waterproof Chain Lubricant, commonly known as No-Tox Waterproof Chain Lube, is a tacky and waterproof chain lubricant and is NSF H1 registered for use where incidental food contact may occur. No-Tox Food Grade Waterproof Chain Lubricant is recommended for most unheated chain applications found in the “clean” industries such as food, beverage, pharmaceutical and personal care products. It is fortified with proprietary anti-wear agents and other additives that promote penetration and lubrication of sprockets, links, pins and bushings. No-Tox Food Grade Waterproof Chain Lubricant also contains rust and corrosion inhibitors and special polymers to resist flinging and dripping. The convenient aerosol container sprays the unique formulation on the chain protecting against rust and metal-to-metal contact.



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CHAINS

		SAP Product Number	Product Grade	Temperature	Extreme Pressure	Penetrating	Anti-Wear, Anti-Rust, Anti-Corrosion	Product Type	NSF Registered	ISO 21469	Color
1	NO-TOX FOOD GRADE WATERPROOF CHAIN LUBRICANT SPRAY	301248	ISO 460 (Spray)	N		●	●	M	H1	●	Yellow
2	NO-TOX SYNTRA™ FOOD GRADE SYNTHETIC OIL	301315	ISO 32	L N		●	●	S	H1	●	Yellow
3	SYNTHETIC CHAIN LUBRICANT	301232	ISO 220	N H	●	●	●	S			Green
4	WATERPROOF CHAIN LUBRICANT	300883	ISO 680 (Spray)	N	●	●	●	M			Amber

PRODUCT TYPE

M MINERAL · SS SEMI-SYNTHETIC · S SYNTHETIC · BB BIO-BASED

TEMPERATURE*

L LOW · N NORMAL · H HIGH

BENEFITS & CERTIFICATIONS

B READILY BIODEGRADABLE · H1 NSF REGISTERED - **H1** · 3H NSF REGISTERED - **3H** · ISO 21469

*Consult PDS and equipment OEM for specific requirements and guidelines.

1 NO-TOX FOOD GRADE WATERPROOF CHAIN LUBRICANT SPRAY

No-Tox Food Grade Waterproof Chain Lubricant Spray is a tacky and waterproof chain lubricant and is NSF H1 registered for use where incidental food contact may occur. No-Tox Food Grade Waterproof Chain Lubricant is recommended for most unheated chain applications found in the “clean” industries such as food, beverage, pharmaceutical and personal care products. It is fortified with proprietary anti-wear agents and other additives that promote penetration and lubrication of sprockets, links, pins and bushings. No-Tox Food Grade Waterproof Chain Lubricant also contains rust and corrosion inhibitors and special polymers to resist flinging and dripping.

2 NO-TOX SYNTRA™ FOOD GRADE SYNTHETIC OIL

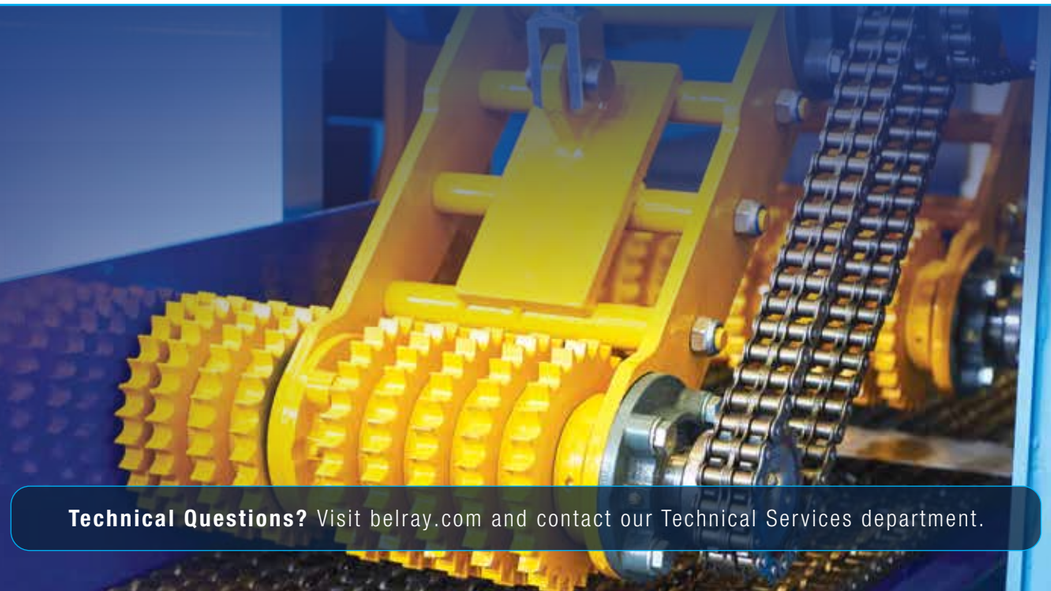
No-Tox Syntra™ Food Grade Synthetic Oil, commonly known as No-Tox Syntra Oil, is a series of full synthetic multipurpose lubricants that are NSF H1 registered for use where incidental food contact may occur. No-Tox Syntra Food Grade Synthetic Oil is a PAO-based, premium, non-toxic, high-performance lubricant available in grades ranging from ISO 32 to 460. It is designed to give exceptional anti-wear and rust and 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 products

3 SYNTHETIC CHAIN LUBRICANT

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

4 WATERPROOF CHAIN LUBRICANT

Waterproof Chain Lubricant contains anti-wear and adhesive properties to assure extended lubrication cycles and longer chain life. These outstanding properties are achieved with a viscous base fluid and additives that penetrate to the bearing surface. Waterproof Chain Lubricant will demonstrate excellent lubrication, even when applied to a wet surface. It is specifically designed to withstand the vigorous water washout problems regularly encountered in wet applications and is also available in an aerosol package.



Technical Questions? Visit belray.com and contact our Technical Services department.

COMPRESSORS

		SAP Product Number	Product Grade	Temperature	Detergency	Wear, Rust, Corrosion & Water Resistant	Product Type	NSF Registered	ISO 21469	Color
1	NO-TOX HD FOOD GRADE OIL	301240 300931 301578	ISO 46 ISO 68 ISO 100	N			M	H1		Colorless
2	NO-TOX SYNTRA FOOD GRADE SYNTHETIC OIL	301315 301316 301590 301591 301068	ISO 32 ISO 46 ISO 68 ISO 100 ISO 150	L N			S	H1		Colorless
3	SYNTHETIC ESTER COMPRESSOR OIL	301226 301227	ISO 46 ISO 68	L N H			S			Yellow

PRODUCT TYPE

M MINERAL | SS SEMI-SYNTHETIC | S SYNTHETIC | BB BIO-BASED

TEMPERATURE*

L LOW | N NORMAL | H HIGH

BENEFITS & CERTIFICATIONS

B READILY BIODEGRADABLE | H1 NSF REGISTERED - **H1** | 3H NSF REGISTERED - **3H** | ISO 21469

*Consult PDS and equipment OEM for specific requirements and guidelines.

1 NO-TOX HD FOOD GRADE OIL

No-Tox HD Food Grade Oil, commonly known as No-Tox HD Oil, is a series of multipurpose white mineral lubricating oils. No-Tox HD Food Grade Oil, available in 10 grades from ISO 15 to 460, is designed to give exceptional anti-wear, rust and 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 products. No-Tox HD Food Grade Oil, formulated with the highest quality USP white mineral oils and food grade additives, meets NSF H1 and FDA requirements for materials that may have incidental contact with food as defined under Title 21 CFR, 178.3570. It is Kosher and Pareve approved, as well as Halal certified. ISO 21469 certified food grade lubricant.

2 NO-TOX SYNTRA FOOD GRADE SYNTHETIC OIL

No-Tox Syntra Food Grade Synthetic Oil, commonly known as No-Tox Syntra Oil, is a series of full synthetic multipurpose lubricants that are NSF H1 registered for use where incidental food contact may occur. No-Tox Syntra Food Grade Synthetic Oil is a PAO-based, premium, non-toxic, high-performance lubricant available in grades ranging from ISO 32 to 460. It is designed to give exceptional anti-wear and rust and 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 products.

3 SYNTHETIC ESTER COMPRESSOR OIL

Synthetic Ester Compressor Oil is a high-performance, heavy-duty, synthetic, diester-based compressor oil. Synthetic Ester Compressor Oil offers high deposit solvency and will eliminate deposits formed by conventional compressor oils. Synthetic Ester Compressor Oil will also prevent the formation of new deposits. The proprietary rust and oxidation inhibitors utilized in Synthetic Ester Compressor Oil allow for extended drain intervals and extended component life. In addition, Synthetic Ester Compressor Oil has excellent anti-wear properties, rust protection, exceptional water separability characteristics, and anti-foaming additives.

Technical Questions? Visit belray.com and contact our Technical Services department.

ENGINE OIL

		SAP Product Number	Product Grade	Multi-Vis Grade	Wear, Rust, Corrosion & Foam Resistant	Product Type	NSF Registered	ISO 21469	Color
1	GEO LA	302311 302313	SAE 40 SAE 15W-40	●	●	M			Amber
2	HEAVY DUTY DIESEL ENGINE OIL	301054	SAE 15W-40	●	●	M			Amber
3	HYPERION® SYNTHETIC BLEND CK-4 ENGINE OIL	302559 302334	SAE 10W-30 SAE 15W-40	●	●	SS			Amber
4	HYPERION ELITE SYNTHETIC CK-4/SN ENGINE OIL	302189	SAE 5W-40	●	●	S			Amber

PRODUCT TYPE

M MINERAL · SS SEMI-SYNTHETIC · S SYNTHETIC · BB BIO-BASED

TEMPERATURE*

L LOW · N NORMAL · H HIGH

BENEFITS & CERTIFICATIONS

B READILY BIODEGRADABLE · H1 NSF REGISTERED - **H1** · 3H NSF REGISTERED - **3H** · ISO 21469

*Consult PDS and equipment OEM for specific requirements and guidelines.

1 GEO LA

A premium low-ash, detergent, and dispersant engine oil. It is specially formulated for peak performance and ultimate protection in high-output 4-stroke cycle natural gas engines operating under heavy loads and extreme conditions.

2 HEAVY DUTY DIESEL ENGINE OIL

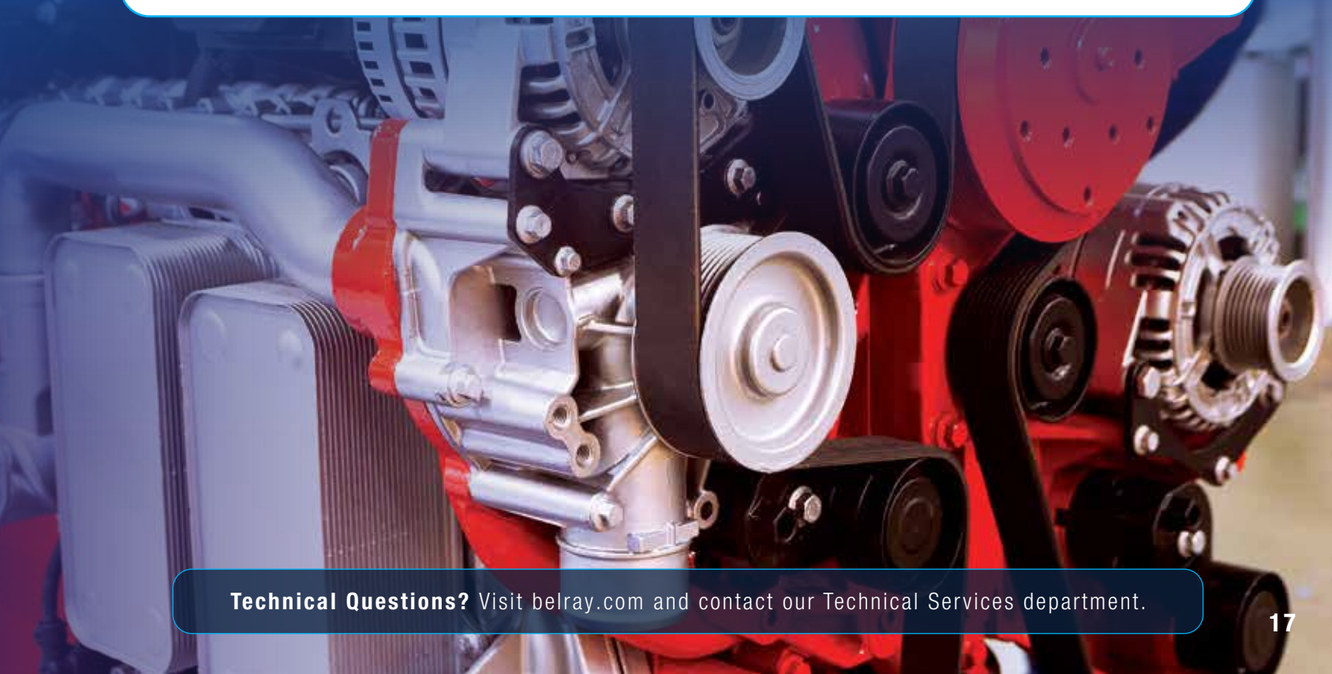
An exceptional motor oil formulated for use in diesel and gasoline engines where reduced consumption and extended oil drain intervals are desired. Provides superior lubrication performance in heavy-duty diesel or gasoline engine applications commonly found in the mining, transportation and marine industries.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

3 HYPERION® SYNTHETIC BLEND CK-4 ENGINE OIL

Formulated for use in high-speed four-stroke cycle diesel engines designed to meet 2017 model year on-highway and Tier 4 off-highway exhaust emission standards as well as for previous model year diesel engines. Provides enhanced protection against oil oxidation, viscosity loss due to shear, and oil aeration as well as protection against catalyst poisoning, particulate filter blocking, engine wear, piston deposits, degradation of low and high-temperature properties, and soot-related viscosity increase.

4 HYPERION ELITE SYNTHETIC CK-4/SN ENGINE OIL

Formulated for use in high-speed four-cycle diesel engines designed to meet 2017 model year on-highway and Tier 4 off-highway exhaust emission standards, as well as for previous model year diesel engines. The full synthetic base oils provide outstanding lubricity and cold-flow, and excellent resistance to high-temperature degradation. The advanced additive package in this formulation reduces viscosity loss due to shear, and oil aeration. The state of the art, low-ash formulation provides protection against catalyst poisoning and particulate filter blocking, while preventing deposit formation.



Technical Questions? Visit belray.com and contact our Technical Services department.

ENCLOSED GEARS

		SAP Product Number	Product Grade	Temperature	Extreme Pressure	Worm Gears	Wear, Rust & Corrosion Resistant	Product Type	NSF Registered	ISO 21469	Color
1	100 EP GEAR OIL	301692 301195 301196 301197 301198 301693	ISO 150 ISO 220 ISO 320 ISO 460 ISO 680 ISO 1000	N H	●		●	M			Red
2	INDUSTRIAL GEAR OIL	302182 302184 302185 302186 302191	ISO 100 ISO 150 ISO 220 ISO 320 ISO 460	N H	●		●	M			Amber
3	SYNTHETIC GEAR OIL	301321 301605 301606 301607 301608	ISO 220 ISO 320 ISO 460 ISO 680 ISO 1000	L N	●		●	S			Yellow
4	SEMI-FLUID GREASE	301212	NLGI 000	N	●		●	M			Amber
5	TURBINE OIL	302152 302154 302171 302172 302173 303083	ISO 32 ISO 68 ISO 100 ISO 150 ISO 220 ISO 460	N H				M			Amber

PRODUCT TYPE

M MINERAL · SS SEMI-SYNTHETIC · S SYNTHETIC · BB BIO-BASED

TEMPERATURE*

L LOW · N NORMAL · H HIGH

BENEFITS & CERTIFICATIONS

B READILY BIODEGRADABLE · H1 NSF REGISTERED - **H1** · 3H NSF REGISTERED - **3H** · ISO 21469

*Consult PDS and equipment OEM for specific requirements and guidelines.

1 100 EP GEAR OIL

An exceptional heavy-duty gear oil formulated for demanding gear applications. It provides Extreme Pressure and anti-wear properties and has a long legacy of extending component life. It exceeds all of the enclosed gear oil requirements for walking draglines, electric rope shovels and hydraulic excavators.

2 INDUSTRIAL GEAR OIL

Bel-Ray Industrial Gear Oils are 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.

3 SYNTHETIC GEAR OIL

A full 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. Exceeds all of the enclosed gear oil requirement of walking draglines, electric rope shovels and hydraulic excavators and meets the requirements of Caterpillar (Bucyrus International) SD4720, SD4721 and Joy Global P&H 497. Grades ISO VG 220 thru ISO VG 680 are approved by Flender. Grade ISO VG 460 is approved by Le Tourneau for electric drivers. Grades ISO VG 150 thru ISO VG 460 are approved by Bosch Rexroth. ISO VG 680 is approved by General Electric and Komatsu for wheel motor applications. Grade ISO VG 320 is approved against the Caterpillar SD4720 standard for electric rope shovel enclosed gear cases.

4 SEMI-FLUID GREASE

A semi-fluid aluminum complex grease with Extreme Pressure properties and rust, corrosion and oxidation inhibitors. Remains stable with heat resistance to protect against severe shock loads. Shear thickening for use in semi-enclosed or leaky gear cases. **THICKENER:** Aluminum Complex

5 TURBINE OIL

A rust and oxidation inhibited industrial oil for an array of applications and is engineered for the demanding heavy-duty, high-temperature gas, steam, and hydraulic turbine systems. Offers superior protection from water contamination and is formulated to prevent sludge and deposits from oil oxidation. Protects against wear of critical components in severe operating conditions.

Technical Questions? Visit belray.com and contact our Technical Services department.

ENCLOSED GEARS

		SAP Product Number	Product Grade	Temperature	Extreme Pressure	Worm Gears	Wear, Rust & Corrosion Resistant	Product Type	NSF Registered	ISO 21469	Color
1	GL-5 GEAR OIL	302241 302230	SAE 80W-90 SAE 85W-140	L, N, H	●		●	M			Amber
2	SYNTHETIC GL-5 GEAR OIL	302242 302243	SAE 75W-90 SAE 75W-140	L, N, H	●		●	S			Amber
3	TRANSMISSION FLUID TO-4	302302 302303 302304	SAE 10W SAE 30 SAE 50	N			●	M			Amber
4	NO-TOX HD FOOD GRADE OIL	301578 301579 301241 300920 301242	ISO 100 ISO 150 ISO 220 ISO 320 ISO 460	N		●	●	M	H1	●	Colorless
5	NO-TOX SYNTRA FOOD GRADE SYNTHETIC OIL	301591 301068 300934 301592 301317	ISO 100 ISO 150 ISO 220 ISO 320 ISO 460	L, N	●		●	S	H1	●	Colorless

PRODUCT TYPE

M MINERAL · SS SEMI-SYNTHETIC · S SYNTHETIC · BB BIO-BASED

TEMPERATURE*

L LOW · N NORMAL · H HIGH

BENEFITS & CERTIFICATIONS

B READILY BIODEGRADABLE · H1 NSF REGISTERED - **H1** · 3H NSF REGISTERED - **3H** · ISO 21469

*Consult PDS and equipment OEM for specific requirements and guidelines.

1 GL-5 GEAR OIL

Designed to provide superb performance for light and heavy duty trucks and various pieces of industrial equipment when API Service Classification GL-5 and MT-1 are specified. This product is formulated with quality mineral base stocks that have outstanding thermal oxidation stability. The additive system provides extreme pressure characteristics, anti-wear performance, rust and corrosion prevention and anti-foaming tendencies.

2 SYNTHETIC GL-5 GEAR OIL

Designed to provide superb performance for light and heavy duty trucks and various industrial equipment when API Service Classification GL-5 and/or MT-1 is specified. This product is formulated with synthetic base stocks that have outstanding thermal oxidation stability. The additive system provides extreme pressure characteristics, anti-wear performance, rust and corrosion prevention and anti-foaming tendencies.

3 TRANSMISSION FLUID TO-4

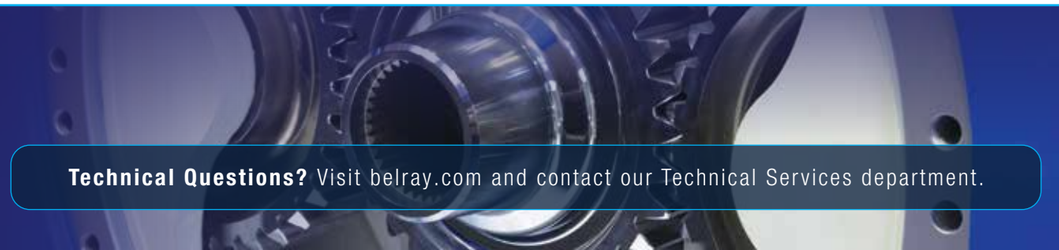
Bel-Ray TO-4 heavy duty transmission and drive train multi-functional lubricants are specifically formulated to meet Caterpillar's TO-4 and Caterpillar TO-4M requirements. Coupled with select base oils, Bel-Ray's balanced additive technology stands up to the rigorous and severe operating conditions in off-highway industries including: mining, construction, quarrying, and agriculture. Bel-Ray TO-4 heavy duty transmission and drive train multi-functional lubricants contain 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.

4 NO-TOX HD FOOD GRADE OIL

No-Tox HD Food Grade Oil, commonly known as No-Tox HD Oil, is a series of multipurpose white mineral lubricating oils. No-Tox HD Food Grade Oil, available in 10 grades from ISO 15 to 460, is designed to give exceptional anti-wear, rust and 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 products. No-Tox HD Food Grade Oil, formulated with the highest quality USP white mineral oils and food grade additives, meets NSF H1 and FDA requirements for materials that may have incidental contact with food as defined under Title 21 CFR, 178.3570. It is Kosher and Pareve approved, as well as Halal certified. ISO 21469 certified food grade lubricant.

5 NO-TOX SYNTRA FOOD GRADE SYNTHETIC OIL

No-Tox Syntra Food Grade Synthetic Oil, commonly known as No-Tox Syntra Oil, is a series of full synthetic multipurpose lubricants that are NSF H1 registered for use where incidental food contact may occur. No-Tox Syntra Food Grade Synthetic Oil is a PAO-based, premium, non-toxic, high-performance lubricant available in grades ranging from ISO 32 to 460. It is designed to give exceptional anti-wear and rust and 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 products.



Technical Questions? Visit belray.com and contact our Technical Services department.

OPEN GEARS

		SAP Product Number	Product Grade	Temperature	Extreme Pressure	Worm Gears	Wear, Rust & Corrosion Resistant	Product Type	NSF Registered	ISO 21469	Color
1	CLEAR GEAR™ LUBRICANT	301688 301193 301689	Medium Standard Heavy	N	●	●	●	S			Yellow
2	MOLYLUBE GEAR TAC TACKY OPEN GEAR LUBRICANT	301746	Medium Light	L N	●	●	●	SS			Black
3	MOLYLUBE MILL GEAR COMPOUND	301771	N/A	N/A	●		●	M			Black
4	MOLYLUBE MILL GEAR GREASE	301343	Heavy	N	●	●	●	M			Gray
5	MOLYLUBE SF 100 SEMI-SYNTHETIC OPEN GEAR LUBRICANT	301772 301344 300939 301774 301773 301345	Light Medium Heavy Ultra Heavy Arctic Sub-Arctic	L N	●	●	●	M			Amber
6	MOLYLUBE SHOVEL & DRAGLINE LUBRICANT	301755 301088	Medium Heavy	N	●	●	●	M			Black
7	MOLYLUBE ULTRA OPEN GEAR LUBRICANT	500908 301094 301777	High Dust Medium Light Medium	N	●	●	●	M			Black

PRODUCT TYPE

M MINERAL · SS SEMI-SYNTHETIC · S SYNTHETIC · BB BIO-BASED

TEMPERATURE*

L LOW · N NORMAL · H HIGH

BENEFITS & CERTIFICATIONS

B READILY BIODEGRADABLE · H1 NSF REGISTERED - **H1** · 3H NSF REGISTERED - **3H** · ISO 21469

*Consult PDS and equipment OEM for specific requirements and guidelines.

1 CLEAR GEAR™ LUBRICANT

A high viscosity synthetic open gear lubricant formulated for grinding mills, kilns and other process open gear systems. Provides full fluid film or hydrodynamic lubrication. Progressively cleans residual lubricant from gear teeth and shroud allowing for visual gear tooth inspections. Metso Mineral and Outotec approved.

2 MOLYLUBE GEAR TAC TACKY OPEN GEAR LUBRICANT

A high viscosity mineral oil and polymer open gear lubricant formulated for dragline, electric rope shovel and hydraulic excavator applications where an open gear lubricant is specified. Fortified with Molylube Solids. Extreme Pressure and anti-wear properties. Excellent retention properties, minimizing consumption and housekeeping. Maintains lube film in wet conditions. Included in the Caterpillar SD4713 Certified Lubricants List (6-27-12)

3 MOLYLUBE MILL GEAR COMPOUND

A high-viscosity open gear lubricant designed for mill and process open gears. This product forms a strong tenacious paste-like film, providing maximum protection in the load zone greatly reducing consumption. Contains a volatile solvent that ensures fluidity during application. Contains Molylube Solids. Meets ANSI/AGMA 9005-E02 specification for minimum viscosity recommendations for open gearing intermittent lubricant application and for gravity feed or forced drip lubrication of open gears. Approved by Metso Minerals.

4 MOLYLUBE MILL GEAR GREASE

An NLGI 00 aluminum complex open gear grease formulated for grinding mill girth gears and pinions. Fortified with Molylube Solids. Extreme Pressure and anti-wear properties. Excellent retention characteristics. Spent lubricant freely drains to waste. Heavy Grade - Metso Minerals approved. **THICKENER:** Aluminum Complex

5 MOLYLUBE SF 100 SEMI-SYNTHETIC OPEN GEAR LUBRICANT

A semi-synthetic aluminum complex open gear grease formulated for dragline, electric rope shovel and hydraulic excavator applications where an open gear lubricant is specified. Fortified with Molylube Solids. Extreme Pressure and anti-wear properties. Excellent retention properties. Diluted and undiluted grades available. Meets the Komatsu P&H 464 specification. **THICKENER:** Aluminum Complex

6 MOLYLUBE SHOVEL & DRAGLINE LUBRICANT

A mineral oil-based, aluminum complex, multi-service lubricant for temperate climates. Perfect for the climates of Africa, Australia, parts of the United States and South America. Contains Molylube Solids. Provides excellent anti-wear and Extreme Pressure properties. Exceeds all of the open gear lubricant requirements of walking draglines, electric rope shovels and hydraulic excavators and meets the requirements of the Joy Global P&H 464 standard for open gear lubricants. Can be applied through a centralized system to temperatures as low as -5°C (-23°F).

7 MOLYLUBE ULTRA OPEN GEAR LUBRICANT

Current state-of-technology for dragline and electric rope shovel open gear lubrication. Exceeds all current standards for Extreme Pressure and anti-wear with a 1000+ kg Four Ball EP Test Weld Load and a 220+ kg Load Wear Index. Exceeds all of the open gear lubricant requirements of walking draglines, electric rope shovels and hydraulic excavators and meets the requirements of the Caterpillar and Joy Global P&H 464 standards for open gear lubricants.

Technical Questions? Visit belray.com and contact our Technical Services department.

HYDRAULICS

		SAP Product Number	Product Grade	Temperature	Multi-Vis Grade	Ashless	Wear, Rust, Corrosion & Foam Resistant	Product Type	NSF Registered	ISO 21469	Color
1	CLEAR BLUE ASHLESS AW HYDRAULIC OIL	302258 302259 302260	ISO 32 ISO 46 ISO 68	N		●		M			Blue
2	NO-TOX BIOFR HYDRAULIC 46	301919	ISO 46	N		●	●	S B	H1	●	Yellow
3	NO-TOX HD FOOD GRADE OIL	301060 301002 301061 301240 300931	ISO 15 ISO 22 ISO 32 ISO 46 ISO 68	L N		●	●	M	H1	●	Colorless
4	NO-TOX SYNTRA FOOD GRADE SYNTHETIC OIL	301315 301316 301590	ISO 32 ISO 46 ISO 68	L N	●	●	●	S	H1	●	Colorless
5	RAYLENE™ ASHLESS MULTI-VISCOSITY HYDRAULIC OIL	300938	ISO 46	L N	●	●	●	M			Green
6	PREMIUM AW HYDRAULIC FLUID	302122 302231 302124 302125 302126	ISO 22 ISO 32 ISO 46 ISO 68 ISO 100	L N H			●	M			Amber

PRODUCT TYPE

M MINERAL · SS SEMI-SYNTHETIC · S SYNTHETIC · BB BIO-BASED

TEMPERATURE*

L LOW · N NORMAL · H HIGH

BENEFITS & CERTIFICATIONS

B READILY BIODEGRADABLE · H1 NSF REGISTERED - **H1** · 3H NSF REGISTERED - **3H** · ISO 21469

*Consult PDS and equipment OEM for specific requirements and guidelines.

1 CLEAR BLUE ASHLESS AW HYDRAULIC OIL

Bel-Ray Clear Blue Ashless AW Hydraulic Oils are special hydraulic fluids 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. Bel-Ray Clear Blue Ashless AW Hydraulic Oils are non-toxic to sea life and non-hazardous to surrounding inhabitants in case of an accidental leak, release or spill. Bel-Ray Clear Blue Ashless AW Hydraulic Oil exceeds ASTM D5864 standards for classification as Inherently Biodegradable. It also meets requirements for U.S. EPA 40 CFR Static Sheen Test (water sheen or slick) in ambient seawater and EPA LC50 Saltwater Test (Shrimp Kill).

2 NO-TOX BIOFR HYDRAULIC 46

No-Tox BioFR Hydraulic 46 is an 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. No-Tox BioFR Hydraulic 46 is an NSF H1 registered and ISO 21469 certified food grade lubricant, and also readily biodegradable. Formulated to work in high pressure hydraulic systems up to 7500 psi. The fluids have naturally high viscosity index and are shear stable, a significant advantage in modern sensitive equipment. It is designed for superior system reliability, reducing varnish and sludge formation in valves, pipes and reservoirs. No-Tox BioFR Hydraulic 46 falls into the HFD-U Symbol (Fire resistant fluid other than phosphate ester) under ISO 6743-4 Standard. No-Tox BioFR Hydraulic 46 is FM Approved fire-resistant fluid. The FM approval identification is 0003062285.

3 NO-TOX HD FOOD GRADE OIL

No-Tox HD Food Grade Oil, commonly known as No-Tox HD Oil, is a series of multipurpose white mineral lubricating oils. No-Tox HD Food Grade Oil, available in 10 grades from ISO 15 to 460, is designed to give exceptional anti-wear, rust and 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 products. No-Tox HD Food Grade Oil, formulated with the highest quality USP white mineral oils and food grade additives, meets NSF H1 and FDA requirements for materials that may have incidental contact with food as defined under Title 21 CFR, 178.3570. It is Kosher and Pareve approved, as well as Halal certified. ISO 21469 certified food grade lubricant.

4 NO-TOX SYNTRA FOOD GRADE SYNTHETIC OIL

No-Tox Syntra Food Grade Synthetic Oil, commonly known as No-Tox Syntra Oil, is a series of full synthetic multipurpose lubricants that are NSF H1 registered for use where incidental food contact may occur. No-Tox Syntra Food Grade Synthetic Oil is a PAO-based, premium, non-toxic, high-performance lubricant available in grades ranging from ISO 32 to 460. It is designed to give exceptional anti-wear and rust and 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 products.

5 RAYLENE™ ASHLESS MULTI-VISCOSITY HYDRAULIC OIL

Raylene™ Ashless Multi-Viscosity Hydraulic Oil is a high-performance, zinc-free hydraulic oil. The product’s high Viscosity Index promotes excellent low temperature fluidity as well as high temperature viscosity stability. The exceptional anti-wear property of Raylene Ashless Multi-Viscosity Hydraulic Oil reduces component wear, and its ashless formula eliminates metallic additive deposits for clean and trouble-free operation. The excellent demulsibility characteristic of Raylene Ashless Multi-Viscosity Hydraulic Oil promotes rapid and complete water separation for easy drainage. Raylene Ashless Multi-Viscosity Hydraulic Oil meets the requirements of most major OEMs for zinc-free hydraulic oils as well as Denison HF-0, DIN 51524 Part 3 (HVLP) and ISO 6743-4 (L-HV) specifications.

6 PREMIUM AW HYDRAULIC FLUID

Bel-Ray Premium AW Hydraulic Fluid is a special hydraulic fluid formulated from highly-refined base stocks and an advanced additive system to deliver ultimate equipment protection with extended service intervals. Bel-Ray® Premium AW Hydraulic Fluid delivers optimum fluid performance over a wide-range of operating temperatures and conditions and exhibits excellent demulsification (water separation) properties, even at high operating temperatures and operating pressures.

Technical Questions? Visit belray.com and contact our Technical Services department.

MULTIPURPOSE

		SAP Product Number	Product Grade	Temperature	Extreme Pressure	Penetrating Fluid	Wear, Rust & Corrosion Resistant	Product Type	NSF Registered	ISO 21469	Color
1	6 IN 1® MULTIPURPOSE LUBRICANT	301179 300873 (Spray)	ISO 3	L, N		●	●	M			Yellow
2	NO-TOX FOOD GRADE DIVIDER OIL	301685 300991 301570	ISO 15 ISO 32 ISO 68	L, N			●	M	H1, 3H	●	Colorless
3	NO-TOX FOOD GRADE MULTIPURPOSE LUBRICANT SPRAY	301561	ISO 460 (Spray)	L, N		●	●	M	H1	●	Colorless
4	NO-TOX FOOD GRADE WHITE GREASE SPRAY	301571	ISO 100 (Spray)	L, N	●		●	M	H1		White
5	NO-TOX HD FOOD GRADE OIL	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	H1	●	Colorless
6	NO-TOX SYNTRA FOOD GRADE SYNTHETIC OIL	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	H1	●	Colorless

PRODUCT TYPE

M MINERAL · SS SEMI-SYNTHETIC · S SYNTHETIC · BB BIO-BASED

TEMPERATURE*

L LOW · N NORMAL · H HIGH

BENEFITS & CERTIFICATIONS

B READILY BIODEGRADABLE · H1 NSF REGISTERED - **H1** · 3H NSF REGISTERED - **3H** · ISO 21469

*Consult PDS and equipment OEM for specific requirements and guidelines.

1 6 IN 1® MULTIPURPOSE LUBRICANT

6 IN 1® contains anti-wear additives that provide high film strength to this exceptional penetrating and lubricating fluid. It cleans as it lubricates, protects against rust and corrosion, displaces water and reduces friction. 6 IN 1 will not harm electrical contacts, vinyl, wood or paint. 6 IN 1 is not a solvent but a high-performance lubricant. The exceptional penetrating properties make removal of frozen fasteners and fittings much easier. The special anti-wear additives will protect and lubricate all metal surfaces. It provides superior corrosion protection from moisture and leaves an impervious coating for long lasting protection.

2 NO-TOX 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. NSF H1 and 3H registered.

3 NO-TOX FOOD GRADE MULTIPURPOSE LUBRICANT SPRAY

No-Tox Food Grade Multipurpose Lubricant Spray is a food grade lubricant that cleans, lubricates, and preserves, and is ideal for preventing rust and displacing water from equipment parts. No-Tox Food Grade Multipurpose Lubricant Spray, formulated with the highest quality ingredients, meets NSF H1 and FDA requirements for materials that may have incidental contact with food as defined under Title 21 CFR, 178.3570. It is Kosher and Pareve approved, as well as Halal certified. ISO 21469 certified food grade lubricant.

4 NO-TOX FOOD GRADE WHITE GREASE SPRAY

No-Tox Food Grade White Grease Spray is a premier, convenient-to-use, lubricating grease in an aerosol package and is NSF H1 registered for use where incidental food contact may occur. No-Tox Food Grade White Grease Spray is fortified with low friction lubricating solids, anti-wear additives and rust inhibitors and is designed to give the optimum equipment and operational protection to the machinery found in the “clean” industries such as food, beverage, pharmaceutical and personal care products.

5 NO-TOX HD FOOD GRADE OIL

No-Tox HD Food Grade Oil, commonly known as No-Tox HD Oil, is a series of multipurpose white mineral lubricating oils. No-Tox HD Food Grade Oil, available in 10 grades from ISO 15 to 460, is designed to give exceptional anti-wear, rust and 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 products. No-Tox HD Food Grade Oil, formulated with the highest quality USP white mineral oils and food grade additives, meets NSF H1 and FDA requirements for materials that may have incidental contact with food as defined under Title 21 CFR, 178.3570. It is Kosher and Pareve approved, as well as Halal certified. ISO 21469 certified food grade lubricant.

6 NO-TOX SYNTRA FOOD GRADE SYNTHETIC OIL

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Technical Questions? Visit belray.com and contact our Technical Services department.

SPECIALTY

		SAP Product Number	Product Grade	Anti-Seize	Mold Release Agents	Extreme Pressure	Rust Preventative	Anti-Wear	Product Type	NSF Registered	ISO 21469	Color
1	ELECTRIC SWITCH CONTACT BLACK GREASE	301216	ISO 100 (Base), NLGI 2	●					M			Black
2	ELECTRIC SWITCH CONTACT WHITE GREASE	301532	ISO 220/320 (Base), NLGI 2	●					M			Cream
3	HIGH TEMPERATURE ANTI-SEIZE COMPOUND	301526	ISO 68 (Base), NLGI 1	●					M			Bronze
4	KILN CAR GREASE	300994	ISO 32 (Base), NLGI 1						S			Black
5	MOLD RELEASE COMPOUND	301763	ISO 100 (Base), NLGI 2		●				M			Tan
6	MOLYLUBE ANTI-SEIZE COMPOUND	301610 301082	NLGI 1 NLGI 2	●		●	●		M			Gray

PRODUCT TYPE: M MINERAL · SS SEMI-SYNTHETIC · S SYNTHETIC · BB BIO-BASED

BENEFITS & CERTIFICATIONS: B READILY BIODEGRADABLE · H1 NSF REGISTERED - **H1** · 3H NSF REGISTERED - **3H** · ISO 21469

1 ELECTRIC SWITCH CONTACT BLACK GREASE

A non-melting organoclay grease formulated for electric switch contacts. Mineral oil based. Low friction solids make the grease suitable for most sliding surfaces. Thermal stability minimizes high temperature deposits. Suitable for use on sliding surfaces and as a thread lubricant. Useful temperature range -29°C to 260°C (-20°F to 500°F). **THICKENER:** Organoclay

2 ELECTRIC SWITCH CONTACT WHITE GREASE

A non-melting organoclay grease formulated for electric switch contacts. Mineral oil based. Low friction solids make the grease suitable for most sliding surfaces. Thermal stability minimizes high temperature deposits. Suitable for use on sliding surfaces and as a thread lubricant. Useful temperature range -15°C to 260°C (5°F to 500°F). **THICKENER:** Organoclay

3 HIGH TEMPERATURE ANTI-SEIZE COMPOUND

An aluminum complex based anti-seize and lubricating compound for threaded connections and static parts. Prevents galling, rust, fretting, galvanic pitting, and corrosion of threads. Low friction solids promote low breakout torque and disassembly. Its 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). **THICKENER:** Aluminum Complex

4 KILN CAR GREASE

A no deposit volatile synthetic volatile carrier fluid with an inorganic thickener and graphite. At temperatures above 149°C (300°F), the fluid evaporates, leaving the graphite to lubricate the bearing surface. Application at temperatures below 149°C (300°F) is not recommended because the carrier fluid will thicken rather than evaporate causing drag on the bearing and eventual carbonization. Contact with any petroleum-derived product is to be avoided. Useful temperature range 149°C to 538°C (300°F to 1000°F). **THICKENER:** Inorganic

5 MOLD RELEASE COMPOUND

An organoclay mold release grease. Mineral oil based. Excellent heat stability: Does not slump or sag at temperatures up to 177°C (350°F). Consistency can be reduced with hydrocarbon solvents for application by brush, spray or roller. Maximum useful temperature 177°C (350°F). **THICKENER:** Organoclay

6 MOLYLUBE ANTI-SEIZE COMPOUND

An organoclay anti-seize with 40% of Molylube Solids. Designed to protect threaded connections. An excellent tool joint compound for OCTG applications. Extreme Pressure properties prevent galling, seizing and fretting. Water washout resistant. Rust and corrosion inhibitors. Maximum useful temperature 399°C (750°F). **THICKENER:** Organoclay

Technical Questions? Visit belray.com and contact our Technical Services department.

SPECIALTY

		SAP Product Number	Product Grade	Anti-Seize	Mold Release Agents	Extreme Pressure	Rust Preventative	Anti-Wear	Product Type	NSF Registered	ISO 21469	Color
1	MOLYLUBE ANTI-SEIZE SILICONE COMPOUND WITH MOLY	300988	NLGI 2	●					S			Gray
2	MOLYLUBE CAM COMPOUND L-56	301611	NLGI 2			●	●		M			Black
3	MOLYLUBE COPPER TOOL JOINT COMPOUND	301679 301682	NLGI 1 NLGI 2	●			●		M			Bronze
4	MOLYLUBE SYNTHETIC TRACK ROLLER LUBRICANT	301748	NLGI 0			●	●		S			Dark Gray
5	NO-TOX FOOD GRADE AIR LINE LUBRICANT	301564	ISO 22				●		M	H1	●	Colorless
6	NO-TOX FOOD GRADE SEAMER OIL	301312	ISO 150						M	H1	●	Colorless

PRODUCT TYPE: M MINERAL · SS SEMI-SYNTHETIC · S SYNTHETIC · BB BIO-BASED

BENEFITS & CERTIFICATIONS: B READILY BIODEGRADABLE · H1 NSF REGISTERED - **H1** · 3H NSF REGISTERED - **3H** · ISO 21469

1 MOLYLUBE ANTI-SEIZE SILICONE COMPOUND WITH MOLY

A unique anti-seize compound based on silicone fluid. Silicone base fluid provides a wide useful temperature range. Oxidation resistant. Deposit-free. Very high molybdenum disulfide content. Useful temperature range -46°C to 204°C (-50°F to 400°F). **THICKENER:** Molybdenum Disulfide-Lithium-Gel

2 MOLYLUBE CAM COMPOUND L-56

A product formulated to exceed the lubrication requirements of the rolling cam walking system commonly seen on Caterpillar (Bucyrus) walking draglines. A proprietary blend of lubricating solids, EP and anti-wear additive ensure excellent film formation, cam and rail separation and temperature reduction. Low friction properties eliminates vibration and stick-slip. Can be pumped to temperatures as low as -34°C (-30°F) without heat.

3 MOLYLUBE COPPER TOOL JOINT COMPOUND

An aluminum complex thread compound formulated based on the API RP 5A3 standard. Extreme Pressure properties. Lubricating solids blend that eliminates lead powder without compromising performance. Low oil separation. Hydrogen sulfide scavenger, rust and corrosion inhibitors. Formulated for OCTG products and performs well in borehole drill applications. **THICKENER:** Aluminum Complex

4 MOLYLUBE SYNTHETIC TRACK ROLLER LUBRICANT

Molylube Synthetic Track Roller Lubricant, commonly known as Molylube PA TP Lubricant, is a synthetic base, aluminum complex semifluid grease fortified with molybdenum disulfide (moly), extreme pressure and anti-wear additives, and rust and corrosion inhibitors. Molylube Synthetic Track Roller Lubricant is intended for use in all tracked equipment such as dozers, track loaders, and other mining and construction heavy equipment. Because of its synthetic hydrocarbon base fluid, Molylube Synthetic Track Roller Lubricant has excellent flow properties at very low temperatures and outstanding thermal stability at high temperatures. The unique blend of moly, extreme pressure and anti-wear additives reduces friction and wear, virtually eliminating internal pin and bushing wear, resulting in an increase in bushing and system life.

5 NO-TOX FOOD GRADE AIR LINE LUBRICANT

No-Tox Food Grade Air Line Lubricant is formulated for use in all air tools, air cylinders and lubricators and is NSF H1 registered. No-Tox Food Grade Air Line Lubricant provides excellent film strength and anti-wear properties while eliminating deposit formation and tool sticking. No-Tox Food Grade Air Line Lubricant removes moisture from the air system optimizing tool performance. No-Tox Food Grade Air Line Lubricant is formulated with the highest quality USP white mineral oils and food grade additives that meet NSF H1 and FDA requirements for materials that may have incidental contact with food as defined under Title 21 CFR, 178.3570. It is Kosher and Pareve approved.

6 NO-TOX FOOD GRADE SEAMER OIL

No-Tox Food Grade Seamer Oil is a high-performance lubricant with exceptional anti-wear and emulsibility. Its anti-wear and oxidation protection properties increase equipment life and decrease downtime. No-Tox Food Grade Seamer Oil is designed to lubricate and clean components that are exposed to moisture in the form of water, fruit and vegetable juices and soft drinks. No-Tox Food Grade Seamer Oil is recommended for can seaming equipment and similar applications found in “clean” beverage and food processing plants. No-Tox Food Grade Seamer Oil is formulated with the highest quality USP white mineral oils and food grade additives and meets NSF H1 and FDA requirements for materials that may have incidental contact with food as defined under Title 21 CFR, 178.3570. It is Kosher and Pareve approved, as well as Halal certified. ISO 21469 certified food grade lubricant.

Technical Questions? Visit belray.com and contact our Technical Services department.

SPECIALTY

		SAP Product Number	Product Grade	Anti-Seize	Mold Release Agents	Extreme Pressure	Rust Preventative	Anti-Wear	Product Type	NSF Registered	ISO 21469	Color
1	NO-TOX FOOD GRADE SILICONE LUBRICANT SPRAY	300879	ISO 320 (Spray)						S	H1	●	Colorless
2	ROCK DRILL OIL 100	302273	ISO 100				●	●	M			Tan
3	RUST PREVENTATIVE	302774	ISO 68				●		M			Dark Red
4	SAW GUIDE OIL	303105 302756	ISO 46 ISO 100				●	●	M			Amber
5	SLIDE & CAM LUBRICANT	301595 301596	Medium Light			●		●	M			Tan
6	SUGAR CLEAR GEAR & BEARING LUBRICANT	301691	Heavy					●	S			Colorless

PRODUCT TYPE: M MINERAL · SS SEMI-SYNTHETIC · S SYNTHETIC · BB BIO-BASED

BENEFITS & CERTIFICATIONS: B READILY BIODEGRADABLE · H1 NSF REGISTERED - **H1** · 3H NSF REGISTERED - **3H** · ISO 21469

1 NO-TOX FOOD GRADE SILICONE LUBRICANT SPRAY

No-Tox Food Grade Silicone Lubricant Spray is a high viscosity, pearlescent, smooth, tacky, and waterproof silicone fluid in an aerosol package. No-Tox Food Grade Silicone Lubricant Spray is compatible with most seal materials. It is resistant to many reactive chemicals that may be encountered in “clean” industries such as food and beverage, pharmaceuticals and personal care plants. No-Tox Food Grade Silicone Lubricant Spray is ideal for use as a general lubricant, cleaner and preservative. No-Tox Food Grade Silicone Lubricant Spray is formulated with the highest quality ingredients, meets NSF H1 and FDA requirements for materials that may have incidental contact with food as defined under Title 21 CFR, 178.3570. It is Kosher and Pareve approved, as well as Halal certified. ISO 21469 certified food grade lubricant.

2 ROCK DRILL OIL 100

Bel-Ray Rock Drill Oils are an adhesive, extreme-pressure (EP) lubricant specially developed for the lubrication of air-powered tools such as rock drills, jackhammers, pavement breakers and drifters. It also is recommended for the lubrication of mining and industrial equipment operating in wet environments. Bel-Ray Rock Drill Oils are formulated with high-quality paraffinic base oils and a specially tailored additive package to provide excellent protection for pneumatic percussion tools. It has high load-carrying capacity to protect against wear and seizure of sliding metal surfaces under heavy or shock-load conditions. It has good adhesion to metal surfaces in the presence of moisture, and provides protection against rust and corrosion. It also has good oxidation resistance and thermal stability at high temperatures for long service life.

3 RUST PREVENTATIVE

Bel-Ray Rust Preventative is a premium performance product which provides effective rust preventative films on the internal surfaces of machinery. It is particularly suitable as lubricants for diesel and gasoline engines. The oils displace water from metal surfaces and form strong water-resistant films on the metal surfaces to prevent rust and corrosion. Bel-Ray Rust Preventative absorbs the water in systems into a water-in-oil emulsion so that the contact surfaces of the machinery still get satisfactory lubrication. Their high level of chemical stability and their anti-wear and detergent properties make them suitable as high quality short-term lubricants.

4 SAW GUIDE OIL

Bel-Ray Saw Guide Oil is designed with premium base stocks and additive system that reduces friction between saw and guide components. They are designed to be used for lubricating arbor bearings and saw guide systems. Bel-Ray Saw Guide Oil contains rust inhibitors and a tackifier to resist slinging.

5 SLIDE & CAM LUBRICANT

A product specifically formulated to exceed the requirements of Bucyrus 2500W Series dragline cam and slide propel mechanism. Its exceptional Extreme Pressure and low friction properties provide protection for plain bearings and sliding surfaces while reducing metal-to-metal contact and minimizing component wear under the most severe operating conditions, thereby extending component life. Its unique mechanical stability maintains the necessary viscosity even under high-load and high-shear conditions

6 SUGAR CLEAR GEAR & BEARING LUBRICANT

Sugar Clear Gear and Bearing Lubricant is a high viscosity, synthetic blend lubricant formulated for severe open gear and bearing lubrication. Sugar Clear Gear and Bearing Lubricant is an extremely tacky, fluid lubricant. It is formulated to lubricate sugar mill open gear teeth where it displaces water and juice to form a continuous lubricating film. Sugar Clear Gear and Bearing Lubricant’s polymers and synthetic components seal the brasses against juice contamination which can cause severe and rapid damage to the bearing surfaces. Sugar Clear Gear and Bearing Lubricant is fortified with anti-wear and Extreme Pressure additives as well as rust and corrosion inhibitors to provide additional gear and bearing protection.

Technical Questions? Visit belray.com and contact our Technical Services department.

WIRE ROPES

		SAP Product Number	Product Grade	Temperature	Viscosity Base	Penetrating Fluid	Extreme Pressure	Wear, Rust & Corrosion Resistant	Product Type	NSF Registered	ISO 21469	Color
1	BIODEGRADABLE WIRE ROPE LUBRICANT	301221	SAE 30	N	L	●	●	●	B			Yellow
2	NON-MELT WIRE ROPE COATING GREASE	301206	NLGI 3	N	H			●	M			Amber
3	WIRE ROPE LUBRICANT	301603 301602	Low Viscosity High Viscosity	L	L H	●	●	●	M			Brown

TEMPERATURE*

L LOW · N NORMAL · H HIGH

VISCOSITY

L LOW · H HIGH

PRODUCT TYPE

M MINERAL · SS SEMI-SYNTHETIC · S SYNTHETIC · BB BIO-BASED

BENEFITS & CERTIFICATIONS

B READILY BIODEGRADABLE · H1 NSF REGISTERED - **H1** · 3H NSF REGISTERED - **3H** · ISO 21469

*Consult PDS and equipment OEM for specific requirements and guidelines.

1 BIODEGRADABLE WIRE ROPE LUBRICANT

A readily biodegradable rope lubricant that maximizes rope, sheave and drum life without harming the environment. Excellent for sensitive environments including marine areas.

2 NON-MELT WIRE ROPE COATING GREASE

An organoclay grease formulated to protect against running and stationary wire ropes. Water washout resistant. Adhesive. Rust, Corrosion and oxidation inhibitors. Suitable for dockside applications, mooring lines, bridge strands and similar applications. Best applied with clamp type wire rope lubricator systems. Useful temperature range -15°C to 204°C (5°F to 400°F). **THICKENER:** Organoclay

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).

Technical Questions? Visit belray.com and contact our Technical Services department.

PRODUCT/PACKAGING INDEX

VISCOSITY GRADE / NLGI CONSISTENCY	PRODUCT NUMBER	PAGE #	AEROSOL	SMALL PAIL	PAIL	LINED DRUM	DRUM	TOTE	FLEX-BAG TOTE	BULK	KEG	LINED KEG	CARTRIDGE	CAULKING CARTRIDGE	BRUSH TOP	4 LITER	16 OZ TUB	GALLON	QUART
PACKAGING KEY			A	SP	P	LD	D	T	FB	B	K	LK	C	CC	BT	4L	16	G	Q
100 EP Gear Oil							D	T											
ISO 150	301692150007	19					•												
ISO 220	301195150340	19						•											
	301195150007	19					•												
ISO 320	301196150007	19					•												
ISO 460	301197150007	19					•												
ISO 680	301198150340	19						•											
	301198150007	19					•												
ISO 1000	301693150007	19					•												
6 in 1 Multipurpose Lubricant			A				D												
ISO 3	301179150007	27					•												
	300873150285	27	•																
Bakerylube Oven Chain Lubricant					P														
	301543150025	11			•														
Biodegradable Wire Rope Lubricant					P														
SAE 30	301221150025	33			•														
Clear Blue Ashless AW Hydraulic Oil							D	T		B									
ISO 32	302258150316	25						•											
ISO 46	302259150000	25								•									
	302259150316	25						•											
	302259150007	25					•												
ISO 68	302260150000	25								•									
	302260150316	25						•											
	302260150007	25					•												
Clear Gear Lubricant							D												
Medium	301688150002	23					•												
Standard	301193150002	23					•												
Heavy	301689150002	23					•												
Electric Switch Contact Black Grease					P														
NLGI 2	301216150025	29			•														
Electric Switch Contact White Grease					P						K								
NLGI 2	301532150013	29									•								
	301532150025	29			•														
GEO LA								T		B									
SAE 40	302311150316	17						•											
	302311150000	17								•									
SAE 15W-40	302313150000	17								•									

VISCOSITY GRADE / NLGI CONSISTENCY	PRODUCT NUMBER	PAGE #	AEROSOL	SMALL PAIL	PAIL	LINED DRUM	DRUM	TOTE	FLEX-BAG TOTE	BULK	KEG	LINED KEG	CARTRIDGE	CAULKING CARTRIDGE	BRUSH TOP	4 LITER	16 OZ TUB	GALLON	QUART
PACKAGING KEY			A	SP	P	LD	D	T	FB	B	K	LK	C	CC	BT	4L	16	G	Q
GL-5 Gear Oil					P		D			B	K								Q
SAE 80W-90	302241150125	21																	•
	302241150019	21			•														
	302241150012	21									•								
	302241150003	21					•												
	302241150000	21								•									
SAE 85W-140	302230150125	21																	•
	302230150019	21			•														
	302230150003	21					•												
	302230150000	21								•									
Heavy Duty Diesel Engine Oil							D												
SAE 15W-40	301054150007	17					•												
High Temperature Anti-Seize Compound					P														
NLGI 1	301526150025	29			•														
Hyperion Elite Synthetic CK-4/SN Engine Oil							D			B									
SAE 5W-40	302189150007	17					•												
	302189150000	17								•									
Hyperion Synthetic Blend CK-4 Engine Oil							D	T		B								G	
SAE 10W-30 CK-4	302559150007	17					•												
	302559150000	17								•									
SAE 15W-40 API CK-4/SN	302334150195	17																•	
	302334150007	17					•												
	302334150316	17						•											
	302334150000	17								•									
Industrial Gear Oil							D	T		B									
ISO 100	302182150000	19								•									
	302182150003	19					•												
ISO 150	302184150000	19								•									
	302184150316	19						•											
	302184150003	19					•												
ISO 220	302185150000	19								•									
	302185150003	19					•												
ISO 320	302186150000	19								•									
	302186150003	19					•												
ISO 460	302191150000	19								•									
	302191150003	19					•												

VISCOSITY GRADE / NLGI CONSISTENCY	PRODUCT NUMBER	PAGE #	AEROSOL	SMALL PAIL	PAIL	LINED DRUM	DRUM	TOTE	FLEX-BAG TOTE	BULK	KEG	LINED KEG	CARTRIDGE	CAULKING CARTRIDGE	BRUSH TOP	4 LITER	16 OZ TUB	GALLON	QUART
PACKAGING KEY			A	SP	P	LD	D	T	FB	B	K	LK	C	CC	BT	4L	16	G	Q
Kiln Car Grease							D												
NLGI 1	300994150002	29					•												
Mold Release Compound							D												
NLGI 2	301763150002	29					•												
Molylube 3% Moly Extreme Pressure Grease LC						LD			FB										
NLGI 0	301084150526	5							•										
	301084150004	5				•													
NLGI 1	300885150526	5							•										
	300885150004	5				•													
NLGI 2	301613150526	5							•										
	301613150004	5				•													
Molylube 5% Moly Extreme Pressure Grease AC						LD			FB										
NLGI 0	301753150526	5							•										
	301753150004	5				•													
NLGI 1	300886150526	5							•										
	300886150004	5				•													
NLGI 2	300936150004	5				•													
Molylube 5% Moly Extreme Pressure Grease LC									FB										
NLGI 1	301612150526	5							•										
Molylube 87M Extreme Pressure Grease						LD													
NLGI 0	301187150004	5				•													
Molylube Anti-Seize Compound					P									CC					
NLGI 1	301610150025	29			•														
NLGI 2	301082150025	29			•														
	301082150255	29												•					
Molylube Anti-Seize Silicone Compound With Moly															BT				
NLGI 2	300988150260	31													•				
Molylube Cam Compound L-56							D												
NLGI 2	301611150002	31					•												
Molylube Copper Tool Joint Compound					P														
NLGI 1	301190150025	31			•														
Molylube EP Grease CSC 1						LD					K								
NLGI 1	500962150013	5									•								
	500962150004	5				•													
Molylube Extreme Pressure Grease AC						LD	D						C						
NLGI 1	301201150004	5				•													
NLGI 2	301696150002	5					•												
	301696150235	5											•						
Molylube Extreme Pressure High Viscosity Grease						LD													
NLGI 1	301679150004	5				•													
NLGI 2	301682150004	5				•													
Molylube Gear Tac Tacky Open Gear Lubricant						LD													
Medium Light	301746150004	23				•													

VISCOSITY GRADE / NLGI CONSISTENCY	PRODUCT NUMBER	PAGE #	AEROSOL	SMALL PAIL	PAIL	LINED DRUM	DRUM	TOTE	FLEX-BAG TOTE	BULK	KEG	LINED KEG	CARTRIDGE	CAULKING CARTRIDGE	BRUSH TOP	4 LITER	16 OZ TUB	GALLON	QUART
PACKAGING KEY			A	SP	P	LD	D	T	FB	B	K	LK	C	CC	BT	4L	16	G	Q
Molylube High Temperature Grease													C						
NLGI 1	301184150235	7											•						
Molylube Low Temperature Multipurpose Grease						LD			FB										
NLGI 1	301042150526	7							•										
	301042150004	7				•													
Molylube Mill Gear Compound						LD													
N/A	301771150004	23				•													
Molylube Mill Gear Grease							D												
Heavy	301343150002	23					•												
Molylube Multipurpose Extreme Pressure Grease With Moly						LD	D												
NLGI 1	301524150004	7				•													
	301524150002	7					•												
NLGI 2	301209150004	7				•													
Molylube Shovel & Dragline Lubricant							D		FB										
Medium	301755150002	23					•												
Heavy	301088150526	23							•										
Molylube SF 100 Semi-Synthetic Open Gear Lubricant						LD	D		FB					CC					
Sub-Arctic	301345150526	23							•										
Arctic	301773150526	23							•										
	301773150002	23					•												
Light	301772150526	23							•										
	301772150002	23					•												
	301772150004	23				•													
Medium	301344150004	23				•													
	301344150255	23												•					
Heavy	300939150002	23					•												
Ultra Heavy	301774150526	23							•										
	301774150002	23					•												
Molylube Synthetic Track Roller Lubricant					P														
NLGI 0	301748150025	31			•														
Molylube Ultra Open Gear Lubricant						LD			FB										
High Dust	500908150004	23				•													
Medium Light	301094150526	23							•										
	301094150004	23				•													
Medium	301777150004	23				•													
No-Tox BioFR Hydraulic 46					P		D	T											
ISO 46	301919150340	25						•											
	301919150007	25					•												
	301919150025	25			•														
No-Tox Food Grade Air Line Lubricant					P		D												
ISO 22	301564150007	31					•												
	301564150025	31			•														

VISCOSITY GRADE / NLGI CONSISTENCY	PRODUCT NUMBER	PAGE #	AEROSOL	SMALL PAIL	PAIL	LINED DRUM	DRUM	TOTE	FLEX-BAG TOTE	BULK	KEG	LINED KEG	CARTRIDGE	CAULKING CARTRIDGE	BRUSH TOP	4 LITER	16 OZ TUB	GALLON	QUART
PACKAGING KEY			A	SP	P	LD	D	T	FB	B	K	LK	C	CC	BT	4L	16	G	Q
No-Tox Food Grade Chain Lubricant					P		D												
ISO 100	301056150007	11					•												
	301056150025	11			•														
No-Tox Food Grade Clear Grease				SP	P		D				K		C						
NLGI 1	301567150002	7					•												
	301567150013	7									•								
	301567150025	7			•														
	301567150020	7		•															
	301567150235	7											•						
NLGI 1.5	301234150002	7					•												
	301234150235	7											•						
NLGI 2	301568150002	7					•												
	301568150013	7									•								
	301568150025	7			•														
	301568150235	7											•						
No-Tox Food Grade Divider Oil					P		D												
ISO 15	301685150007	27					•												
	301685150025	27			•														
ISO 32	300991150002	27					•												
	300991150025	27			•														
ISO 68	301570150007	27					•												
	301570150025	27			•														
No-Tox Food Grade Extreme Pressure Grease											K	LK							
NLGI 0	301243150013	7									•								
	301243150014	7										•							
No-Tox Food Grade Low Temperature Grease					P								C						
NLGI 1	301573150025	7			•														
	301573150235	7											•						
No-Tox Food Grade Multipurpose Lubricant Spray			A																
ISO 460 (Spray)	301561150285	11, 27	•																
No-Tox Food Grade Seamer Oil							D	T											
ISO 150	301312150340	31						•											
	301312150007	31					•												
No-Tox Food Grade Silicone Lubricant Spray			A																
ISO 320 (Spray)	300879150285	33	•																
No-Tox Food Grade Synthetic Extreme Pressure Grease					P		D				K	LK	C						
NLGI 1	301598150002	7					•												
	301598150013	7									•								
	301598150014	7										•							
	301598150025	7			•														
	301598150235	7											•						
NLGI 2	301319150025	7			•														
	301319150235	7											•						
	301319150013	7									•								

VISCOSITY GRADE / NLGI CONSISTENCY	PRODUCT NUMBER	PAGE #	AEROSOL	SMALL PAIL	PAIL	LINED DRUM	DRUM	TOTE	FLEX-BAG TOTE	BULK	KEG	LINED KEG	CARTRIDGE	CAULKING CARTRIDGE	BRUSH TOP	4 LITER	16 OZ TUB	GALLON	QUART
PACKAGING KEY			A	SP	P	LD	D	T	FB	B	K	LK	C	CC	BT	4L	16	G	Q
No-Tox Food Grade Waterproof Chain Lubricant			A		P		D												
ISO 460	301247150007	11					•												
	301247150025	11			•														
	301248150285	11	•																
No-Tox Food Grade Waterproof Chain Lubricant Spray			A																
ISO 460 (Spray)	301248150285	13	•																
No-Tox Food Grade White Grease Spray			A																
ISO 100 (Spray)	301571150285	27	•																
No-Tox HD Food Grade Grease					P		D				K	LK	C						
NLGI 1	301569150002	9					•												
	301569150014	9										•							
	301569150013	9									•								
	301569150025	9			•														
	301569150235	9											•						
NLGI 2	301059150002	9					•												
	301059150014	9										•							
	301059150013	9									•								
	301059150025	9			•														
	301059150235	9											•						
No-Tox HD Food Grade Grease					P		D	T								4L			
ISO 15	301060150007	15, 21, 25, 27					•												
ISO 22	301002150007	15, 21, 25, 27					•												
ISO 32	301061150340	15, 21, 25, 27						•											
	301061150007	15, 21, 25, 27					•												
	301061150025	15, 21, 25, 27			•														
ISO 46	301240150340	15, 21, 25, 27						•											
	301240150007	15, 21, 25, 27					•												
	301240150025	15, 21, 25, 27			•														
ISO 68	300931150340	15, 21, 25, 27						•											
	300931150007	15, 21, 25, 27					•												
	300931150025	15, 21, 25, 27			•														
ISO 100	301578150007	15, 21, 25, 27					•												
	301578150025	15, 21, 25, 27			•														
ISO 150	301579150340	15, 21, 25, 27						•											
	301579150007	15, 21, 25, 27					•												
	301579150025	15, 21, 25, 27			•														
ISO 220	301241150007	15, 21, 25, 27					•												
	301241150025	15, 21, 25, 27			•														
ISO 320	300920150007	15, 21, 25, 27					•												
	300920150025	15, 21, 25, 27			•														
	300920150135	15, 21, 25, 27														•			
ISO 460	301242150007	15, 21, 25, 27					•												
	301242150025	15, 21, 25, 27			•														

VISCOSITY GRADE / NLGI CONSISTENCY	PRODUCT NUMBER	PAGE #	AEROSOL	SMALL PAIL	PAIL	LINED DRUM	DRUM	TOTE	FLEX-BAG TOTE	BULK	KEG	LINED KEG	CARTRIDGE	CAULKING CARTRIDGE	BRUSH TOP	4 LITER	16 OZ TUB	GALLON	QUART
PACKAGING KEY			A	SP	P	LD	D	T	FB	B	K	LK	C	CC	BT	4L	16	G	Q
No-Tox Syntra Food Grade Synthetic Oil					P		D												
ISO 32	301315150007	13, 15, 21, 25, 27					•												
	301315150025	13, 15, 21, 25, 27			•														
ISO 46	301316150007	13, 15, 21, 25, 27					•												
	301316150025	13, 15, 21, 25, 27			•														
ISO 68	301590150007	13, 15, 21, 25, 27					•												
	301590150025	13, 15, 21, 25, 27			•														
ISO 100	301591150007	13, 15, 21, 25, 27					•												
	301591150025	13, 15, 21, 25, 27			•														
ISO 150	301068150007	13, 15, 21, 25, 27					•												
	301068150025	13, 15, 21, 25, 27			•														
ISO 220	300934150007	13, 15, 21, 25, 27					•												
	300934150025	13, 15, 21, 25, 27			•														
ISO 320	301592150007	13, 15, 21, 25, 27					•												
	301592150025	13, 15, 21, 25, 27			•														
ISO 460	301317150007	13, 15, 21, 25, 27					•												
	301317150025	13, 15, 21, 25, 27			•														
Non-Melt Wire Rope Coating Grease					P														
NLGI 3	301206150025	33			•														
Premium AW Hydraulic Fluid					P		D	T		B									
ISO 22	302122150000	24								•									
ISO 32	302123150017	24			•														
	302123150007	24					•												
	302123150316	24						•											
	302123150000	24								•									
ISO 46	302124150017	24			•														
	302124150007	24					•												
	302124150316	24						•											
	302124150000	24								•									
ISO 68	302125150017	24			•														
	302125150007	24					•												
	302125150316	24						•											
	302125150000	24								•									
ISO 100	302126150000	24								•									
Raylene Ashless Multi-Viscosity Hydraulic Oil							D	T											
ISO 46	300938150340	25						•											
	300938150007	25					•												
Rock Drill Oil 100								T		B									
ISO 100	302273150000	33								•									
	302273150316	33						•											
Rust Preventative										B									
ISO 68	302774150000	33								•									

VISCOSITY GRADE / NLGI CONSISTENCY	PRODUCT NUMBER	PAGE #	AEROSOL	SMALL PAIL	PAIL	LINED DRUM	DRUM	TOTE	FLEX-BAG TOTE	BULK	KEG	LINED KEG	CARTRIDGE	CAULKING CARTRIDGE	BRUSH TOP	4 LITER	16 OZ TUB	GALLON	QUART
PACKAGING KEY			A	SP	P	LD	D	T	FB	B	K	LK	C	CC	BT	4L	16	G	Q
Saw Guide Oil										B									
ISO 46	303105150000	33								•									
ISO 100	302756150000	33								•									
Semi-Fluid Grease					P														
N/A	301212150025	19			•														
Slide & Cam Lubricant									FB										
Light	301596150526	33							•										
Medium	301595150526	33							•										
Sugar Clear Gear & Bearing Lubricant							D												
Heavy	301691150002	33					•												
Synthetic Chain Lubricant							D												
ISO 220	301232150007	13					•												
Synthetic Ester Compressor Oil					P		D												
ISO 46	301226150025	15			•														
ISO 68	301227150007	15					•												
Synthetic Gear Oil							D	T											
ISO 220	301321150007	19					•												
ISO 320	301605150007	19					•												
ISO 460	301606150007	19					•												
ISO 680	301607150340	19						•											
ISO 1000	301608150007	19					•												
Synthetic GL-5 Gear Oil					P			T		B									
SAE 75W-90	302242150019	21			•														
	302242150000	21								•									
	302242150316	21						•											
SAE 75W-140	302243150019	21			•														
	302243150000	21								•									
Termalene Extreme Pressure Grease LC												LK							
NLGI 1	301087150014	9										•							
Termalene Grease 2					P														
NLGI 2	301766150021	9			•														
Termalene Heavy Duty Construction Grease							D					LK	C						
NLGI 2	301338150014	9										•							
	301338150002	9					•												
	301338150235	9											•						
Termalene Multipurpose Extreme Pressure Grease						LD							C						
NLGI 1	301765150004	9				•													
NLGI 2	301091150004	9				•													
	301091150235	9											•						

VISCOSITY GRADE / NLGI CONSISTENCY	PRODUCT NUMBER	PAGE #	AEROSOL	SMALL PAIL	PAIL	LINED DRUM	DRUM	TOTE	FLEX-BAG TOTE	BULK	KEG	LINED KEG	CARTRIDGE	CAULKING CARTRIDGE	BRUSH TOP	4 LITER	16 OZ TUB	GALLON	QUART
PACKAGING KEY			A	SP	P	LD	D	T	FB	B	K	LK	C	CC	BT	4L	16	G	Q
Transmission Fluid TO-4					P		D			B									
SAE 10W	302302150000	21								•									
	302302150007	21					•												
	302302150017	21			•														
SAE 30	302303150000	21								•									
	302303150007	21					•												
	302303150017	21			•														
SAE 50	302304150000	21								•									
	302304150007	21					•												
	302304150017	21			•														
Turbine Oil							D			B									
ISO 32	302152150000	19								•									
	302152150007	19					•												
ISO 68	302154150000	19								•									
	302154150007	19					•												
ISO 100	302171150000	19								•									
	302171150007	19					•												
ISO 150	302172150000	19								•									
	302172150007	19					•												
ISO 220	302173150000	19								•									
ISO 460	303083150000	19								•									
Waterproof Chain Lubricant			A																
ISO 680 (Spray)	300883150285	13	•																
Waterproof Grease							D						C				16		
NLGI 2	301293150002	9					•												
	301293150235	9											•						
	301293150225	9															•		
Wire Rope Lubricant					P		D	T											
Low Viscosity	301603150025	33			•														
High Viscosity	301602150340	33						•											
	301602150007	33					•												

NOTES

BEL-RAY
TOTAL PERFORMANCE LUBRICANTS

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