

Lubricant Specialists

Robco's Lubricants Division supplies high performance oils and greases to meet extreme operating conditions found in exploration drilling, paper mills, steel mills, mining and general industry to maximize production efficiency. Robco specialists take pride in the performance of our lubricants and grease products and continuously monitor technological advancements to improve our formulations.

Since 1911, Robco products are used everywhere in heavy industry as components of original equipment and in aftermarket maintenance and repair.

ISO 9001 and ISO 14001 Certified, our commitment to focusing on engineered solutions has fostered an alignment between our customers' satisfaction and our success while caring for the environment.



Total Cost of Ownership

Our T.C.O. approach to problem-solving often results in our customers saving more than the acquisition cost of the products supplied.



Robco also supplies many brands of specialized quality lubricants for all your applications.



- Mineral
- Synthetic
- Silicone
- Graphite
- Sealants
- Anti-Seize

Bonders

- Flush
- Barrier Fluid





EDMONTON Tel.: 780.469.0601 Fax: 780.469.0765
Email: info@robco.com

MONTREAL

MISSISSAUGA

Heat Resistant Materials - Engineered Plastics - Rubber Products - Metallic Gaskets Soft Gaskets - Mechanical Seals - Compression Packing - Lubricants & Greases

Tel.: 514.367.2252 Fax: 514.367.1144

Tel.: 905.564.6555 Fax: 905.564.6901

LUBRICANTS
AND GREASES



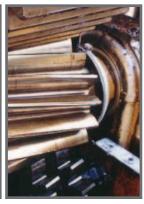
Robco industrial lubricants and greases

We believe the best way we can support our customers is by providing high quality lubricants and greases formulated to reduce equipment wear and last longer, requiring less maintenance and cutting labour and material costs.

We've Got You Covered

We offer a wide range of specialty lubricants and greases to cover most applications, including yours! From compressors, turbines, chains, conveyors, gears, tools, drills, paper machines, mining equipment, and manufacturing and processing equipment.





We Know our Greases

Tradition in Innovation

We're experts! For large volume productions, we have the know-how and experience to modify and adapt our existing formulas to better meet your special needs. We can reverse-engineer and refine an existing product specifically for your application to provide better results under extreme conditions.





Implicit Industry Knowledge

Time flies! 100 years in business means a great deal of experience under our belt through implicit industry knowledge. The culture of supporting our customers with products that provide value remains intact. You are in good hands with us!





Expert Customer Service

Our on-site Technicians, Tribologist, and Customer Service Departments are available to guide you and answer all your questions in the selection of the ideal product for your application.



A Trusted Distributor

Lubricants for the Mining Industry

grease: Bio-DDR.

concern for environmentally safe solutions has led us to develop a biodegradable diamond drill rod

FDA Compliant Products for the Food Industry

We offer lubricants for many applications in food

processing plants. Meeting stringent requirements

and effective under severe operating conditions, our

food-grade lubricants are highly resistant to wash-

Robco is a trusted distributor of renowned brands

such as Asbury/Dixon, Royal Purple and Saf-T-Eze

along with specific products from other various

brands in order to offer our customers a complete

single-source product basket of quality lubricants.

off, reducing reapplication time and cost.

optimal product for your application.















We Know the Industry

Robco is one of the very few companies in the world to specializes in fluid sealing components, heat resistant materials AND lubricants and greases, bringing unequaled expertise in wear management. Our engineers will identify the

Bel-Ray No-Tox Seamer Lubricant

Food Grade

No-Tox Food Grade Can Seamer Lubricant, commonly known as No-Tox CSL, is a high performance food machinery grease developed for use on high speed can seamers found in the "clean" industries such as food, beverage, pharmaceutical and personal care products.









Food Grade

No-Tox Food Grade Seamer Oil, commonly known as No-Tox Seamer Oil E, is a high performance lubricant with exceptional anti-wear and emulsibility and is NSF H1 registered for use where incidental food contact may occur.



BEL-RAY PRODUCTS









Bel-Ray No-Tox Food Grade White Grease

Food Grade Grease

White mineral oil based, aluminum complex grease and is NSF H1 registered for use where incidental food contact may occur.



















Bel-Ray No-Tox Food Grade Clear Grease

Food Grade Grease

White mineral oil based, aluminum complex grease and is NSF H1 registered for use where incidental food contact may occur in applications where they need a clear grease.







High











Bel-Ray No-Tox Food Grade Lubricant

NLGI Grade	Viscosity 40°C	Viscosity 100°C
0 to 00	155	15.8
Colour	Penetration ASTM D-217	Drop Point ASTM D-2265
White	390	400°F / 204°C

NSF H1 registered for use where incidental food contact may

Bel-Ray No-Tox Food Grade C

ISO Grade	Viscosity 40°C	Viscosity 100°C
100- 220	98.1 - 220	11.4 - 19.8
Colour	Penetration ASTM D-21	Pour Point ASTM D-97
	ASTINI D-21	ASTM D-97
Water White	45 - 65	-15°F / 9 °C

Recommended for can seaming equipment and similar applications found in "clean" beverage and food processing plants.

Bel-Ray No-Tox Food Grade White Grease

NLGI Grade	Viscosity 40°C	Thickener Type
1-2	208	Aluminum Complex
Colour	Penetration	Drop Point
	ASTM D-217	ASTM D-566
White	280-325	500°F / 260°C

Satisfies a wide range of grease requirements and is recommended for bearings and general purpose use in food grade applications.

Bel-Ray No-Tox Food Grade Clear Grease

NLGI Grade	Viscosity 40°C	Thickener Type
1.5	104	Aluminum Complex
Colour	Penetration	Drop Point
	ASTM D-217	ASTM D-566
Clear	300	577°F / 303°C

Satisfies a wide range of grease requirements and is recommended for bearings and general purpose use in food grade applications.









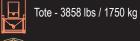






Keg - 25 lbs, 50 lbs, 100 lbs, 122 lbs

/ 11 kg, 23 kg, 45 kg, 55 kg





Lubricants and Greases

Robco BG-7060

Brick Grease

Robco BG-7060 sodium based grease can be used to replace conventional brick grease. Effective where medium to high temperature is a factor in babbit bearing applications.









Robco BG-8118

Brick Grease

Robco BG-8118 lithium brick grease can be used to replace conventional brick grease. Effective where medium to high temperature is a factor in babbit bearing applications.









Robco Bio-DDR

Biodegradable Diamond Drill Rod Grease

Bio-DDR is a non-toxic, biodegradable lubricant for diamond drill rods, specially formulated to offer optimal performance with minimal environmental impact at a reasonable cost.



ROBCO PRODUCTS











Robco DDR-1063

High Performance Diamond Drill **Rod Grease with Low Washout**

DDR-1063 is a new generation diamond drill rod grease with a modified complex of overbased sulfonates offering exceptional mechanical stability. Will not liquefy or soften up to 500°F, water resistant, does not rub off the rod while drilling. Easy to spread on drilling rods in any environment.







Robco EP/MP-1004

The #1 EP/MP grease in the industry for water washout protection

Where water washout under extreme shock loads or high temperature is causing you trouble, EP/MP-1004 is THE solution: stays in place to provide a tough lubricating film that keeps equipment running smoothly in extreme conditions.

















Robco BG-7060

NLGI Grade	Viscosity 40°C	Viscosity 100°C
8+	450 - 550	55 - 65
Colour	Penetration	Drop Point
	ASTM D-21	ASTM D-2265
Charcoal	18 - 22	360°F / 182°C

Applications: paper mill dryers, ball mills in mining crusher applications, babbitt bearings and trunnion bearings.

Robco BG-8118

NLGI Grade	Viscosity 40°C	Viscosity 100°C
6	450 - 550	55 - 65
Colour	Penetration	Drop Point
	ASTM D-21	ASTM D-2265
Brown	45 - 65	385°F / 196°C

Applications: paper mill dryers, ball mills in mining crusher applications, babbitt bearings and trunnion bearings.

Robco Bio-DDR

NLGI Grade	Viscosity 40°C	Viscosity 100°C
3	42.7	9.1
Colour	Penetration ASTM D-21	Drop Point ASTM D-2265
Green	220-250	325°F / 163°C

Applications: diamond drill rods, pneumatic and percussion tools.

Robco DDR-1063

NLGI Grade	Viscosity 40°C	Viscosity 100°C
3	232	20
Colour	Penetration ASTM D-21	Drop Point ASTM D-2265
Tan	240	482°F / 250°C

Applications: diamond drill rods and wet conditions.

Robco EP/MP-1004

NLGI Grade	Viscosity 40°C	Viscosity 100°C
0 - 2	220	17.8
Colour	Penetration ASTM D-21	Drop Point ASTM D-2265
Green	280 - 370	605°F / 318°C

Applications: steel mills, mobile equipment in construction and mining, paper mill wet end, bearings, crushers, loader bucket pins, and more.















Water



Corro-



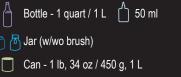
































A premium food-processing machinery lubricant (NSF H-1). A fully formulated product with extra tackiness additives and waterproof oils that resist heavy water washdown.















Friction Rope Dressing

Robco FRD-2200 lubricant provides extreme water resistance and good corrosion protection plus its dry film provides a chemical barrier against acidic and alkaline environments.









HT Sock Grease

Robco HT sock grease is a high quality lithium-OH stearate grease. Specially formulated to work in high temperature applications where conventional brick grease is used.



ROBCO PRODUC







Rail Curve Grease

A year round rail curve grease. It is formulated using a low viscosity mineral oil to provide year round pumpability. It spreads well along even the longest curves and provides superior load carrying and anti-wear properties to protect all components of the rail-wheel interface.









High Temperature Graphite Lubricant

Robco SBL-1000 high temperature lubricant contains high viscosity oil, graphite, molybdenum disulfide and a high flash carrier to transfer solid ingredients into very close tolerances. SBL-1000 will not burn or smoke and has excellent shelf life due to an extremely fine-particle solid suspension.









NLGI Grade

Colour

Clear

www.robco.com

ASTM D-93

396°F / 202°C

Robco FDA WRL-400 Semi-Synlub Viscosity 40°C Viscosity 100°C 25 370 Flash Point Penetration

Effective wherever a drip-less adhesive fluid/lubricant is needed. The NSF has authorized this product as a H-1 lubricant, covering incidental contact with food.

ASTM D-21

		Robco FRD-2200
NLGI Grade	Viscosity 40°C	Viscosity 100°C
S75	81	-
Colour	Penetration	Flash Point
	ASTM D-21	ASTM D-93
Amber	-	284°F / 140°C

Applications: locked coil ropes used on friction winders (Koepe hoists).

		Robco Sock Grease
NLGI Grade	Viscosity 40°C	Viscosity 100°C
4.5	220 - 230	17 - 19
Colour	Penetration	Drop Point
	ASTM D-21	ASTM D-2265
Light Brown	160 - 190	400°F / 205°C

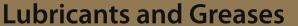
Applications: paper mill dryers, ball mills in mining applications and trunnion bearings.

		Robco RCG-1255
NLGI Grade	Viscosity 40°C	Viscosity 100°C
1	23	-
Colour	Consistency	Drop Point
Coloui	ASTM D-217	ASTM D-2265
Black	325	536°F / 280°C
Applications: track side lubrication.		



		Robco SBL-1000
NLGI Grade	Viscosity 40°C	Viscosity 100°C
-	-	220 - 330
Colour	Flash Point	Drop Point
	ASTM D-93	ASTM D-2265
Dark	650°F / 344°C	720°F / 382°C

Applications: roller chains, kiln car wheels, slides and castings in contact with side bars under high temperature conditions.



Saf-T-Eze T-Gel Lube

High Pressure Lubricant

T-Gel Lube is a transparent, high pressure lubricant with high adhesive strength. A unique combination of natural and synthetic lubrication agents coupled with a high molecular weight polymer (PTFE) make this product one of the best available.











Saf-T-Eze Red Hi-Temp 732 RTV **Silicone Sealant**

732 RTV Hi-Temp Silicone Sealant

RTV Silicone Sealants offer high performance products designed for a broad variety of sealing and bonding requirements in original equipment manufacturing or for maintenance needs.



SAF-T-EZE PRODUCTS









Saf-T-Lok Instant Bonders

IB Series

SAF-T-LOK® Instant Bonder Cyanoacrylate Adhesives provide exceptional tensile shear strength within seconds at room temperature. Materials such as metal, plastic, rubber and glass may be bonded with these single part adhesives.





V.O.C.	Min. Temperature	Viscosity 100°C
0.63	-30°F / -34°C	-
Colour	Max. Temperature	Propellant
Clear	550°F / 288°C	Hydrocarbon

Door hinges, open gears, wire ropes and cables, chains and sprockets, conveyors, manifold heat valves.



Silicones cure rapidly to a strong, durable, flexible rubber at room temperature and bond to a wide range of substrate materials including metal, glass, most plastics, fabric, wood, ceramic, etc.



IB-5 Penetrating	IB-45 General Purpose	IB-100 Plastic bonder
Viscosity (cps)	Viscosity (cps)	Viscosity (cps)
5	45	100
Gap Fill (in.)	Gap Fill (in.)	Gap Fill (in.)
0.002	0.003	0.004

IB-1500 Gap Filling	IB-HT - Hi-Temp	IB-GEL
Viscosity (cps)	Viscosity (cps)	Viscosity (cps)
1500	100	50000
Gap Fill (in.)	Gap Fill (in.)	Gap Fill (in.)
0.01	0.004	0.015

IB-SI - Surface Insensitive	IB-NF - Non-Frosting
Viscosity (cps)	Viscosity (cps)
100	100
Gap Fill (in.)	Gap Fill (in.)
0.01	0.01
	Insensitive Viscosity (cps) 100 Gap Fill (in.)

Applications: paper mill dryers, ball mills in mining applications and trunnion bearings.











Robco RCG-1255

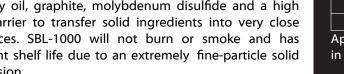
















Regular Grade Anti-Seize can be used as a lubricant, a sealer, a break-in lubricant, and as a tapping compound on plastic as well as metal. Surfaces need not be cleaned before application unless grit or low quality oil/grease is present and ultimate performance is required. Operating Temperature -65°F/-54°C to 650°F/343°C















Lubricates & Protects

Pen-Oil is a hydrocarbon based compound formulated with low surface tension to allow penetratation of accumulated grease and grit deposits as well as rust and other corrosion. Displaces moisture and clings to metal providing a thin protective film against oxidation.











Food/Drug Grade



Silicone-Lube Food/Drug Grade is formulated from the highest quality silicone fluids to provide an extended range of lubrication where conventional hydrocarbons and oils vaporize. These silicone fluids penetrate the surface of plastic and rubber as well as metal to provide a non-tacky film of lubrication.











Saf-T-Eze Structural Adhesive SA-5

2-Part Bonding Adhesive System



SAF-T-LOK® Structural Adhesive provides high impact resistance, has low odour, is non-flammable, quick setting and offers high bond strength and impact resitance on a wide variety of substrates.



Spec. Gravity	NLGI Grade	Particle Size
1.2	1	1.5 mil max.
Colour	Drop Point	Flash Point ASTM D-2265
Silver	380°F / 193°C	410°F / 210°C

Use on threaded parts, bushings, gears, valve stems, chain sprockets, levers, hinges, pivots, rollers, heat exchanger or manifold bolts, or as a gasket release agent, etc.







		Sai-1-Eze Pen-Oii
Spec. Gravity	Film Thickness	Surface Tension
0.6 gm/cc	.03 mils	23.4 dynes.cm
Volatiles	Falex Lubricity	Flash Point
0.9	1750 lbs	-40°F / -40°C
Туре	Coverage	Weight per Gall
Aerosol	5100 Sq.Ft./gal	5 lbs
A 10	1 10 11 1	

Applications: steel mills, mobile equipment in construction and mining, paper mill wet end, bearings, crushers, loader bucket pins, and more.

Saf-T-Eze Silicone-Lube FD

Surface Tension	Temperature Range	Flash Point
21 dynes/cm	-60°F/ -51°C to 500°F/260°C	600°F/ 316°C
Туре	Specific Gravity	Solvent
Aerosol	0.7. gm/cc	Hexane

Silicone-Lube Food/Drug Grade meets the requirements of the United States Department of Agriculture for incidental food contact in plants operating under the Federal Meat and Poultry Inspection Program. This product is NSF registered.

Saf-T-Eze Structural Adhesive SA-5

Bottle/Parts	Specific Gravity	Viscosity
2 (Adhesive & Activator)	1.1 gm/cc / 1.3 gm/cc	5000 cps / 2-5 cps
Colour	Solids Content	Flash Point
Amber	100% / 5%	> 200- 250°F / > 94 - 121°C

Provide high strength bond on oily surfaces, porous surfaces, and surfaces with large gaps between.

Robco Break-In Lubricant

Lubricants and Greases

For Packing Applications

Superior quality Break-In Lubricant for all packing applications. Robco Break-In Lubricant is specially formulated to facilitate the installation of new packing and prevent burning upon start-up.









Robco WRD-4481

Wire Rope Dressing

Robco WRD-4481 is a state-of-the-art, high performance, semi-fluid, non-soap wire rope dressing that rapidly penetrates to the core and will not fling off during operation.



ROBCO PRODUCTS







Robco WRD-OG Lube

Wire Rope Dressing

Robco WRD-OG Lube is a high performance asphalticbased lubricant that ensures excellent protection against wear and corrosion.









Robco 490 Neoprene Cement

Adhesive

490 Neoprene Cement is a neoprene solvent-based adhesive. Premium quality grade for high strength bonding of laminated panels or presswood.



Royal Purple Air Hammer Oil

Synthetic Rock Drill Oil

Air Hammer Oil is an ultra-tough, para-synthetic rock drill/air hammer oil designed to increase the life of your tools; noncorrosive to both ferrous and nonferrous metal.











Robco Break-In Lubricant

Specific Gravity	Temp. Range	Flash Point ASTM D93
0.970 @ 25℃	-60°F/ -51°C to 500°F/260°C	620ºF / 327ºC CC
Colour	Coeff. Of Expansion	Pour Point
Clear	0.00096 cc/cc/°C	-58°F / -50°C

All general packing applications.

Robco WRD-4481

NLGI Grade	Viscosity 40°C	Viscosity 100°C
-	1400-1800	90
Colour	Penetration	Flash Point
	ASTM D-21	ASTM D93
Grey	-	428°F / 220°C

Applications: steel mills, mobile equipment in construction and mining, paper mill wet end, bearings,

crushers, loader bucket pins, and more.

Robco WRD-OG Lube

NLGI Grade	Viscosity 100°C	Viscosity 100°C
-	375-425	375 - 425
Calarin	Penetration	Flash Point
Colour	ASTM D-21	ASTM D93
Grev	_	440°F / 227°C

Applications: A highly effective wire rope field dressing; at the same time being an efficient open gear

lubricant.

Robco 490 Neoprene Cement

Spec. Gravity	Viscosity	Solids
0.830 gm/cc	1600 ±100 cps	22 ±0.5%
Color	Odor	0
Yellowish	Ketone	0

Used for bonding difficult substrates such as wood, presswood, plywood, metal, laminated veneer, Formica, Arborite, etc.

Royal Purple Air Hammer Oil

Viscosity Index	Viscosity 40°C	Viscosity 100°C
110-117	46 - 150	7.2 - 15.9
Colour	Pour Point D-6892	Flash Point
		ASTM D93
Dla		375-415°F /
Purple	<u>-</u>	190-212°C

Applications: Air hammers, rock drills.





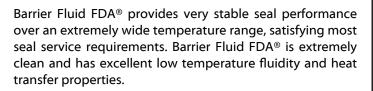








For Mechanical Seals / FDA





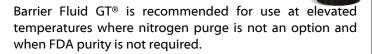








For Mechanical Seals











Royal Purple Coupling Grease ¹

Synthetic Coupling Grease

Royal Purple Coupling Grease is a lithium complex, high film strength grease formulated with high-viscosity synthetic oils and tacky synthetic polymers, plus Royal Purple's proprietary Synslide additive technology.







RP Escalator Chain Lube

Reduces noise levels and extends the life of chains and other high wear components

Escalator Chain Lube significantly improves equipment reliability while reducing lubricant consumption by as much as 75%. Escalator Chain Lube reduces noise levels and extends the life of chains and other high wear components such as Novatex board.











RP Marine Hydraulic Oil

Inherently Biodegradable Hydraulic Oil

Royal Purple's Marine Hydraulic Oil™ is an inherently biodegradable, ashless, environmentally responsible, high performance hydraulic oil, formulated for users who need a high performance oil to protect their equipment yet are concerned about the environment.

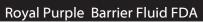












Product No.	Viscosity 40°C	Viscosity 100°C
22 - 910	5.2 - 65.5	1.75 - 9.9
Colour	Autoignition Point	Flash Point
	ASTM E-659	ASTM D93
Clear	428-779°F /	330-530°F /
	220-450℃	166-277°C

Barrier Fluid FDA is sanctionned under the FDA CFR Title 21 sections 178.3620(a)(b); 172.878:175.105; 172.200 & 210; 177.2260, 2600 & 2800, 178.3570 & 3910. NSF for H1.

Royal Purple Barrier Fluid GT

Product No.	Viscosity 40°C	Viscosity 100°C
22 - 910	5.2 - 65.5	1.75 - 9.9
Colour	Autoignition Point	Flash Point
	ASTM E-659	ASTM D93
Purple	428-779°F /	330-530ºF /
	220-450°C	166-277°C

Pure, nonreactive, synthetic fluid that provides superior lubrication and cooling for double and tandem mechanical

Royal Purple Coupling Grease

NLGI Grade	Viscosity 40°C	Viscosity 100°C
0	2995	112
Calavii	Penetration	Drop Point
Colour	D-217	ASTM D-92
Purple	355 -385	392ºF / 200ºC

Provides superior resistance to oil separation from the high centrifugal force generated by couplings.

RP Escalator Chain Lube

Viscosity Index	Viscosity 40°C	Viscosity 100°C
132	46.5	7.7
Colour	Pour Point	Flash Point
Colour	D-6892	ASTM D93
Purple	-38°F / -39°C	440°F / 227°C

Designed to lubricate chains on escalators, moving sidewalks and elevator doors.

RP Marine Hydraulic Oil ISO Grade Viscosity 40°C Viscosity 100°C 15 - 150 15 - 150 3.3 - 15.4 Flash Point **Drop Point** Colour ASTM D93 ASTM D92 380-505°F/ 380-555°F / Purple 193-263°C 193-281°C

Components of Marine Hydraulic Oil™ are TSCA listed and meet EPA, RCRA and OSHA requirements. Biodegradable, meets the U.S. Fish & Wildlife Department's toxicity

Lubricants and Greases

Saf-T-Eze Pipe Seal

PTFE Pipe Sealant

Pipe-Seal is compounded with PTFE to lubricate joint assemblies, is resistant to chemicals and can be used on pipes larger than 3/4" diameter.











Meets MIL-A-907E

Nickel Grade Anti-Seize is compounded from fine particles of nickel, aluminum and graphite in a heat resistant lubricant and performs particularly well as nickel lubricates and keeps the metallic surfaces apart even under high pressure. Operating Temperature -65°F/-54°C to 2600°F/1427°C



SAF-T-EZEPRODUCTS













Saf-T-Eze Nuclear Grade Anti-Seize

Nuclear Nickel Grade Anti-Seize

Formulated from the highest purity grease to minimize sulphur, halogens, mercury, etc. Available in nickel, stainless, and copper nuclear grades. These products meet MIL-A-907D, MIL-PRF-907E and exceed the requirements of General Electric, Bechtel and Westinghouse. Operating Temperature -65°F/-54°C to 2600°F/1427°C















Saf-T-Eze Pure-Copper Grade Anti-Seize

Copper Grade

Copper Grade Anti-Seize can be used as a lubricant, a sealer, a break-in lubricant, and as a tapping compound on plastic as well as metal. Surfaces need not be cleaned before application unless grit or low quality oil/grease is present and ultimate performance is required. Operating Temperature -65°F/-54°C to 2000°F/1093°C













Saf-T-Eze Pipe Seal

Spec. Gravity	Min. Temp.	Particle Size
1.3 gm/cc	-100°F / -73°C	-
Colour	Max. Temp.	Flash Point
		ASTM D-2265
White	500°F / 260°C	350°F / 177°C
To each because the second control of the se		

To seal kerosene, LP gas, oil, water, weak caustic acids and low pressure steam.





Spec. Gravity	NLGI Grade	Particle Size
1.2	1	1 mil max.
Colour	Drop Point	Flash Point
Coloui	Diop i onit	ASTM D-2265
Silver	380°F / 193°C	500°F / 260°C

Recommended where very different metals are used together such as brass and steel or where high nickel alloy metals such as stainless steel are involved.



Saf-T-Eze Nuclear Grade Anti-Seize

Spec. Gravity	NLGI Grade	Particle Size
1.2	1	1 mil max.
Colour	Drop Point	Flash Point
Coloui		ASTM D-2265
Silver	500°F / 260°C	440°F / 227°C

Use on threaded parts, bushings, gears, valve stems, chain sprockets, levers, hinges, pivots, rollers, heat exchanger or manifold bolts, or as a gasket release agent, etc.



Saf-T-Eze Pure-Copper Grade Anti-Seize

Spec. Gravity	NLGI Grade	Particle Size
1.2	1	1 mil max.
Colour	Drop Point	Flash Point ASTM D-2265
Copper	380°F / 193°C	500°F / 260°C

Use on threaded parts, bushings, gears, valve stems, chain sprockets, levers, hinges, pivots, rollers, heat exchanger or manifold bolts, or as a gasket release agent, etc.





Electrical Contact Cleaner



Electrical Contact-Clean is a specially formulated solvent designed to remove carbon deposits, grease, oil and corrosion deposits from electrical equipment. After cleaning, check and oil parts that need lubrication. Eliminates noise caused by dust and dirt.







Saf-T-Eze Dry Moly

Dry Film Lubricant

Resistant to water and water based solutions. Exposure to temperatures above 375°F will add resistance to solvents. Dry Moly is recommended for high temperature applications where parts are exposed to continuous sliding friction. Ideal lubricant in dusty environments.









Stops corrosion, galling, and seizure between metal parts

SAF-T-EZE® Food/Drug Grade Anti-Seize has been formulated to meet rigorous USDA requirements. This product is odourless, tasteless, non-staining and corrosion resistant. Operating temperature: -65°F/-54°C to 500°F/260°C



















Saf-T-Eze Gasket-Off

For Metal Surfaces

Gasket-Off is designed with hydrocarbon thickeners and propellants which disperse as a foamy white cream to remove baked-on gaskets, gasket cement, carbon deposits, dried oils, grease and paint from metal in 10 minutes.





Saf-T-Eze Industrial Pipe Sealant

ITPS Pipe Sealant



Specialized single component, solvent-free compounds that are individually formulated for locking, sealing, retaining and bonding metal parts and assemblies.











Saf-T-Eze Contact-Clean

Weight / Gallon	Boiling Point	Specific Gravity @25°C
10.3 lbs	160°F / 72°C	1.33 gm/cc
Colour	Flash Point	Evaporation Rate
-	None	4.5

Applications: steel mills, mobile equipment in construction and mining, paper mill wet end, bearings, crushers, loader bucket pins, and more.

	Saf-T-Eze	Dry	Мо	ly
--	-----------	-----	----	----

Density	Min. Temp.	Specific Gravity
-	-100°F / -74°C	0.7
Colour	Max. Temp.	Evaporation Rate
Dark grey	650°F / 343°C	-

For general plant maintenance and environments where clean dry lubrication is required. Ideal for various applications from -100°F to 650°F.

Saf-T-Eze FDA Grade Anti-Seize

NLGI Grade	Specific Gravity	Flash Point C.O.C.
1	1.0 gm/cc	390°F / 199°C
Calavii	Penetration	Drop Point
Colour	ASTM D-21	ASTM D-2265
White	240 ±20	300°F / 149°C

Use on threaded parts, bushings, gears, valve stems, chains, sprockets, levers, hinges, pivots, rollers, or as a gasket release agent, etc. (* and proprietary solids)





NLGI Grade	Specific Gravity	Flash Point C.O.C.
		10-5 / 10-6
-	1.2 gm/cc	-40°F / -40°C
	Penetration	Drop Point
Colour		·
Coloai	ASTM D-21	ASTM D-2265
-	-	-

To remove gaskets, gasket cement, carbon deposits, dried oils, grease and paint from metal.

Saf-T-Eze Industrial Pine Sealant

	301 1 LZC 111	idastriar i ipe sediarit
Spec. Gravity	Viscosity	Particle Size
1.5 gm/cc	1,500,00 cps	40 microns
Colour	Temperature Range	Flash Point
		ASTM D-2265
White	-65°F/-54°C to 400°F/260°C	860°F / 460°C
	700 1/200 C	

Performs on all metal including stainless steel and aluminum.

Lubricants and Greases

Royal Purple Max-Chain®

Dry Film / EP Lubricant for chains, open gears & sliding surfaces

Max-Chain® is an advanced synthetic lubricant that dramatically reduces wear and extends equipment life. Provides excellent protection against rust and corrosion and works equally well in wet, acidic environments and dusty environments.







Royal Purple Maxfilm®

Multi-purpose Aerosol Lubricant / **Preservant / Preservative**

Maxfilm® is a multipurpose, synthetic lubricant that excels in many applications. It deeply penetrates, cleans and loosens rusted parts. Maxfilm leaves an exceptionally tough and durable lubricating film for improved operation and long-lasting protection against wear, rust and











Royal Purple BioMax Stern Tube EAL

Environmentally acceptable, synthetic Lubricant Stern tube lubrications in marine application



ROYAL PURPLE PRODUCTS











RP Open Gear Guard XP

Dry Film / EP Lubricant for Open Gears

Royal Purple® Open Gear Guard XP is a unique thixotropic lubricant designed to effectively lubricate open gears and chains subjected to high loads in dusty or dirty environments.











Royal Purple Paper Mill Grease

Synthetic Pulp & Paper Grease

Royal Purple® Paper Mill Grease is a high performance, aluminum complex synthetic grease designed to lubricate a wide range of typical paper/pulp processing applications using a single grease.











Royal Purple Max-Chain®

Viscosity 40°C	Viscosity 100°C
657 (3.8 w/dlluent)	34.8 (1.4 w/dlluent)
Density	Flash Point
D-4052	ASTM D93
6.87 lbs/g	205°F / 96°C
	657 (3.8 w/dlluent) Density D-4052

Max-Chain is recommended for chains and open gears operating in dusty environments.



Royal Purple Maxfilm®

Viscosity 40°C	Viscosity 100°C
224.9 (5.6 w/diluent)	17.5 (1.5 w/dlluent)
Density	Flash Point
D-4052	ASTM D92
7.93 lbs/g	215ºF / 102ºC
	224.9 (5.6 w/diluent) Density D-4052

Loosening stuck parts. Lubricating power tools, hinges, chains, rollers, open gears, fishing tackle, lawn equipment, and more. Preserving and protecting parts in storage against rust and corrosion. Acting as a manual cutting fluid for easier hand drilling, tapping, metal cutting, etc.

Royal Purple BioMax Tube EAL

· · · · · · · · · · · · · · · · · · ·		
Viscosity	Viscosity 40°C	Viscosity 100°C
158 - 159	100 - 150	15.2 - 20.6

RP Open Gear Guard XP

ISO Grade	Viscosity 40°C	Viscosity 100°C
-	657.2 (3.5 w/diluent)	34.81 (1.4 w/diluent)
Colour	Density	Flash Point
Colour		ASTM D-92
Purple	6.77 lbs/g	205°F / 96°C

Designed to effectively lubricate open geans subjected to heavy loads in dusty or dirty environments.

Royal Purple Paper Mill Grease

NLGI Grade	Viscosity 40°C	Viscosity 100°C
1.5	244	24
Colour	Penetration	Drop Point
	ASTM D-21	ASTM D-566
Purple	300 (16x)-275	536°F / 280°C
	(10000x)	330°F / 280°C

Highly recommended on wet end roll bearings, wire return rolls, couch rolls, all press rolls.





Poly-Guard® FDA is formulated with Royal Purple's proprietary Purolec® additive technology which is proven to reduce wear and keep equipment cleaner, allowing for substantially longer oil drain intervals.









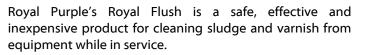








Oil Circulation System Cleaner





PRODUCTS







High Performance Hydraulic Oil

Syndraulic® is a clean, long life, energy efficient, minimum leak hydraulic oil possessing exceptional film strength and wear protection properties. It can lower operating temperatures and restore normal operation to hydraulic systems that are operating erratically.











Royal Purple Synfilm®

Air Compressor and Industrial Oil

Synfilm[®] is a clean, dry, long life, high film strength, energy efficient, synthetic lubricant that significantly increases bearing life and equipment reliability.













Multi-Purpose Industrial Oil

Synfilm® GT should be considered instead of Synfilm® when oil reservoir temperatures exceed 200°F, improved low temperature fluidity is desired or when the required viscosity grade is not available in Synfilm.

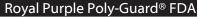












ISO Grade	Viscosity 40°C	Viscosity 100℃
32 - 460	32 - 460	6.1 - 39
Colour	our Density	Flash Point
Colour		ASTM D-92
Clear	6.94 - 7.24 lbs/g	410 - 490°F /
Clear		210 - 255℃

Recommended for use in compressors, pumps, gear boxes, bearings, hydraulic systems, blowers or other equipment in food-processing or pharmaceutical plants.

Royal Purple Royal Flush

ISO Grade	Viscosity 40°C	Viscosity 100°C
46	46	6.3
Colour	Density	Flash Point
Coloui		ASTM D-92
Purple	7.89 lbs/g	470°F / 243°C

Safe and effective flushing and cleaning fluid for the dirty environment of oil circulating systems and reservoirs.

Royal Purple Syndraulic®

ISO Grade	Viscosity 40°C	Viscosity 100°C
10 - 150	10 - 150	2.0 - 14.8
C-1	olour Density	Flash Point
Colour		ASTM D-92
Duvelo	6.94 - 7.48 lbs/g	380-450°F /
Purple		193-232°C

Increases the life of the oil and the seals, filters and pumps of hydraulic systems.

Royal Purple Synfilm®

ISO Grade	Viscosity 40°C	Viscosity 100°C
32 - 150	32 - 150	5.8 - 16.5
Colour	Density	Flash Point
		ASTM D-92
Purple	6.9 - 7.38 lbs/g	430-500°F /
		221-260°C

Recommended for use in air compressors, pumps, steam turbines, bearings, gears, air tools, etc.

Royal Purple Synfilm® GT

	,	
ISO Grade	Viscosity 40°C	Viscosity 100°C
10 - 680	10 - 680	2.0 - 47.9
Colour	Density	Flash Point
		ASTM D-92
Durala	6.9 - 7.38 lbs/g	355-485°F /
Purple		179-252°C

Recommended for use in gas and steam turbines, blowers, vacuum pumps, bearings, gears, air tools, etc.

Lubricants and Greases

Asbury 635 Fine Flake



Asburygraphite is used as a coating and additive for dry lubrication at high temperatures and pressures. Available in flake, powder, grease and liquid suspension.







Asbury Railroad 460

Railroad Switch Plate Lubrication

An excellent lubricant for the rough, demanding requirements of railroad switches. Railroad 460 is quick drying, durable, weather and corrosion resistant, and will not pick up dirt, dust or grit. It has a flash point of 57°F.









Asbury Railroad 470

Thicker Consistency Railroad Switch Plate Lubrication

An excellent lubricant for the rough, demanding requirements of railroad switches. Railroad 460 is quick drying, durable, weather and corrosion resistant, and will not pick up dirt, dust or grit. It has a flash point of 57°F.



ASBURY PRODUCTS









Asbury Regular OCL

Oven Chain Lubricant

OCL Regular is a high quality graphite cold oven chain lubricant that coats all moving parts with a soft film of graphite after all the liquid distillate evaporates, reducing downtime for cleaning and repairs. It should be applied at temperatures of 250°F and lower.







Saf-T-Eze Belt-Dress

Belt-Dress

PRODUCTS

Belt-Dress is formulated to meet industrial demand for increased operating efficiency and longer belt life. Reduces stiffness and restores flexibility to worn and cracked belts.









www.robco.com

Asbury 635 Fine Flake

% Ash	Operating Temp.	Particle Size
0.05	-	-100 mesh
Type	Lubricating Solids	Solid Contents
Flake	Carbon	0.95

Excellent conductor of electricity. Commonly used in machine shop applications where close tolerances are needed.



Asbury Railroad 460

Density	Flash Point	Particle Size
8.4 lbs/g	57°F / 14°C	-325 mesh
Colour	Lubricating Solids	Solids Content
Black	Natural Flake Graphite	0.44

Heavy-duty lubricating graphite coating formulated for railroad switch plate lubrication.

Asbury Railroad 470

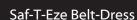
Density	Flash Point	Particle Size
8.4 lbs/g	57°F / 14°C	-325 mesh
Colour	Lubricating Solids	Solids Content
Black	Natural Flake Graphite	0.47

Heavy-duty lubricating graphite coating formulated for railroad switch plate lubrication.

Asbury Regular OCL

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Density	Applying Temperature	Particle Size
7.9 lb/gal	Under 250°F / 121°C	13 microns
Colour	Lubricating Solids	Solids Content
Black	Amorphous Graphite	0.25

Oven chains.



Density	Boiling Point	Specific Gravity @25°C
-	-	0.9 gm/cc
Colour	Flash Point	Evaporation Rate
_	-40°F / -40°C	<u>_</u>

For flat, round and v-belts of all sizes



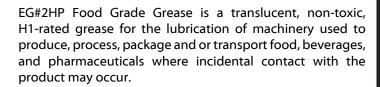






Asbury EG#2HP

Food Grade Grease













Extra Fine Powder

Excellent conductor of electricity. Commonly used as a conductive material and by both gunsmith and locksmith. Particle size is -325 mesh.



ASBURY PRODUCTS





Asbury No. 1 Large Flake

Graphite Powder

Ideal as a lubricant that is subject to water, alkali, gas, acid and brine. Particle size is a 50 x 80 mesh.









Asbury No. 2 Medium Flake

Graphite Powder

Ideal as a lubricant that is subject to water, alkali, gas, acid and brine. Particle size is a 50 x 200 mesh. For general use.



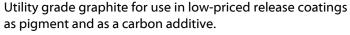




Asbury 205 Powdered Flake

Powdered Amorphous Graphite







Asbury EG#2HP

NLSI Grade	Operating Temperature	Viscosity 100°F
2	10ºF - 325ºF -12ºC - 111ºC	110 cSt
Drop Point	Thickener	Penetration @60 stokes
None	Inorganic Gel	270

Plain, antifriction and rolling contact bearings, gears, cams, slides, pumps, food mixers, freezers, bottlers, canners, packagers, fillers, wrappers, presses.

		Asbury Microfyne
% Ash	Operating Temp.	Particle Size
0.05	-	-325 mesh
Type	Lubricating Solids	Solid Contents
Flake	Carbon	0.95

Ideal for use in precision applications: locks, bearings, cameras, firearms and reels as well as with conductive materials and coatings.



Asbury No. 1 Large Flake

% Ash	Operating Temp.	Particle Size
-	-	50-80 mesh
Туре	Lubricating Solids	Solid Contents
Flake	Carbon	0.9

Recommended for heavy bearings, steam engines, cylinders, compressors, gears and wherever friction is severe; also useful for coating gaskets, packings and pipe fittings.



ROYAL PURPLE PRODUCTS

Asbury No. 2 Medium Flake

% Ash	Operating Temp.	Particle Size
-	-	50-200 mesh
Туре	Lubricating Solids	Solid Contents
Flake	Carbon	0.9

Smaller flake especially suitable for coating steam engine cylinders, valves and close fitting bearings.



Asbury 205 Powdered Flake

% Ash	Operating Temp.	Particle Size
	-	-325
Туре	Lubricating Solids	Solid Contents
Flake	Carbon	0.849

For applications where high-purity graphites are not required.

















Royal Purple Synfilm® Recip.

ISO Grade	Viscosity 40°C	Viscosity 100°C
68 - 150	68 - 150	8.6 - 12.5
Colour	Calaur	Flash Point
Colour	Density	ASTM D-92
Durala	7.06 lbs/s +1	485-495°F /
Purple	7.96 lbs/g ±1	252-257℃

Recommended for lubricating reciprocating air compressors (piston type).

Royal Purple Thermyl-Glyde®

ISO Grade	Viscosity 40°C	Viscosity 100°C
32 - 1500	32 - 1500	6.1 - 827
Colour	Density	Flash Point
Colour		ASTM D-92
Durale	704 741 lbs/s	330-420°F /
Purple	7.04 - 7.41 lbs/g	166-216°C

Recommended where heavy loads, shock loads, low operating speeds and/or high operating temperatures are encountered.



RP Thermyl-Glyde® WGO

ISO Grade	Viscosity 40°C	Viscosity 100°C
460 - 680	460 - 680	36.5 - 47.6
Calaur	Flash Point	
Colour	Density	ASTM D-92
Describ	724 720	400-405°F /
Purple	7.34 - 7.38	204-207°C

Recommended where heavy loads, shock loads, low operating speeds and/or high operating temperatures are encountered. Synergy Worm Gear Oil and fully synthetic Thermyl-Glyde Worm Gear Oil are Textron/Cone Drive approved.



Royal Purple Thermyl-Tuff®

ISO Grade	Viscosity 40°C	Viscosity 100°C
100 - 300	100 - 300	149 - 457
Colour	Density	Flash Point
Colour		ASTM D-92
Durala	7.59 - 7.63 lbs/g	335-385°F /
Purple	7.59 - 7.65 ibs/g	168-196°C

Recommended for booms on hydraulic cranes, heavy loaded open gears, skid rails, bushings, couplings, bearings, cables etc. or low speed bearing at high temperatures.















poorly or even fail.

gear lubrication.





Lubricants and Greases

Royal Purple Synfilm® Recip.

discharge valves free of harmful carbon deposits.

Royal Purple Thermyl-Glyde®

Severe Service Gear & Bearing Oil

quieter, cooler and longer without overhaul.

RP Thermyl-Glyde® WGO

Worm Gear Oil - Severe Service Gear Oil

Royal Purple Thermyl-Tuff®

Maximum Load Synthetic Lubricant

Synfilm® Recip. is a long life, high film strength, energy

efficient synthetic lubricant that significantly increases the

reliability and efficiency of reciprocating air and shop

compressors. Excels at reducing wear and keeping

Thermyl-Glyde® is an ultra-tough, long-life, industrial EP

synthetic gear oil proven to make gears run smoother,

Thermyl-Glyde Worm Gear Oil contains slippery, synthetic

molecules plus special anti-wear additives to provide the

lubricity and oiliness properties necessary to excel in worm

Thermyl-Tuff® is a viscous, tacky, semi-fluid lubricant that protects heavily-loaded sliding surfaces such as open gears, skid rails, etc. where other EP products perform

Reciprocating Air Compressor Oil

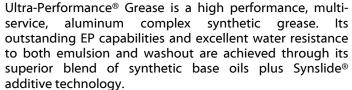






RP Ultra-Performance® Grease

Multi-Purpose Synthetic Grease



















Vapor Phase Corrosion Inhibitor

VP Preservative Oil 10 prevents rust and corrosion of all metal surfaces to which it is applied. In addition, it fills any closed spaces with vapors to prevent rust and corrosion of surfaces not in contact with the oil.











Royal Purple Wire Rope

Premium Corrosion and Wear Protection

Wire Rope Lubricant is formulated with Royal Purple's Synslide® additive technology. Synslide effectively penetrates wire ropes and forms a protective "polar bond" with metal surfaces to provide maximum protection under boundary lubrication conditions common with heavily loaded wire ropes and cables.









Asbury AEL 384 Graphite Grease

Aluminum Extrusion Graphite Grease

AEL 384 Graphite grease is a heavy-duty multi-purpose graphite grease particularly useful in aluminum extrusion operations.









High Temperature Mould Release

A high-performance water-based coating specially formulated for use in casting operations. It provides a long-lasting, protective, non-stick coating for surfaces in contact with molten metal.







RP Ultra-Performance® Grease

NLGI Grade	Viscosity 40°C	Thickener Type
1-2	150	Aluminum Complex
C-1	Penetration	Drop Point
Colour	ASTM D-217	ASTM D-566
Purple	319 - 380	520°F / 271°C

Satisfies a wide range of grease requirements and is recommended for bearings and general purpose use.



RP VP Preservative Oil 10

Odour	Viscosity 40°C	Viscosity 100°C
Pungent	19.5	-
Colour	Density	Flash Point ASTM D-92
Purple	7.21 lbs/g	400°F / 204°C

Recommended for rust prevention and corrosion in engines, gear boxes and other closed systems that will be stored for periods up to/longer than a year.



Royal Purple Wire Rope

'		Jan a pie mie nope
ISO Grade	Viscosity 40°C	Viscosity 100°C
460	483	33.5
Calaur	Flash Point	
Colour	Density	ASTM D-92
Purnle	7 79 lhs/a	405°F / 207°C

Extends service life of wire ropes and cables over a wide range of temperatures and working conditions. Common applications include mining, marine and construction.



Asbury AEL 384 Graphite Grease

NLGI Grade	Moisture Content	Solids Content
3.5	0.0025	0.1
Colour	Penetration	Drop Point
Coloui	ASTM D-217	ASTM D-2265
Black	195 - 235	360°F / 182°C

Applications: Lubrication of extrusion dies, die assemblies, dummy blocks, shear blades and hot billet ends.



		Asbury Borokote 2
Colour	рН	Consistency
White or Blue	10.8 - 11.5	Light Fluid
Solids	Lubricating Solids	Carrier
25%	Boron Nitride	Water

Applications: Ceramic troughs, filter boxes, funnel runners, tundishes, caster tips, basins & pour spouts.

Slip Plate® Aerosol

Dry Film Graphite Lubricant

An aerosol dry film graphite lubricant. When dry, it produce resists corrosion. The coating is naturally hydrophobic and will repel rain, snow, and mud.









Lubricants and Greases

Asbury Wax Stick

General Purpose Lubricant

Wax sticks are specifically formulated to be applied directly to areas requiring lubrication for surface temperatures up to 400°F.







Asbury Graphokote® 410-S & 495

Heavy Duty Graphite Dry Film

Graphokote® 410-S and 495 perform well in extreme temperatures or extremely dusty environments where oilbased lubrication is not feasible. Provide excellent protection on surfaces for extended periods of time where weather, oil and water resistance are necessary.



ASBURY PRODUCTS







Asbury Hybake Supreme OCL

Oven Chain Lubricant

Hybake Supreme is a premium high temperature lubricant formulated with high-purity, ultra-fine graphite for maximum penetration into all moving parts. Permits lubrication of ovens at higher temperatures, reducing costly downtime.





Asbury Hyheet Graphite Grease

High Temperature non-melt Graphite Grease

Hyheet Graphite Grease (NLGI#2) is a high temperature, non-melting, anti-wear grease fortified with graphite to lubricate and protect in temperatures up to 550°F. Will not melt or run out of bearings or fittings.













Slip Plate®Aerosol

Surface Continuous Temp.
-75ºF / -59ºC - 425ºF / 218ºC
Particle Size
2.5 microns

Suitable for a wide variety of applications. It can be sprayed on almost any clean, dry surface. Shake well before using.

Asbury Wax Stick

Max. Surface Temp.
400°F / 204°C
Lubricating Solids
Graphite

Designed to coat, lubricate and reduce friction on various surfaces. Ideal as a general purpose lubricant for drilling, tapping, cutting, etc.

Asbury Graphokote® 410-S & 495

	7.0.00)	
Density	Flash Point	Consistency
8.4 - 10 lbs/g	75 - 82°F / 24 - 28°C	Heavy Fluid
Colour	Lubricating Solids	Solids Content
Black	Flake Graphite Blend	50.5 - 57%

Extrusion billet coatings, hot top billet casting, casting mold release and other applications.



Asbury Hybake Supreme OCL

Density	Applying Temperature	Particle Size
9.1 lb/gal	Under 475°F / 246°C	5 microns
Consistency	Graphite Content	Solids Content
Fluid	Synthetic Graphite	0.1

Oven Chains.



	, ,	
NLGI Grade	Viscosity 40°C	Viscosity 100°C
2	194	17
Colour	Penetration	Drop Point
	ASTM D-21	ASTM D-2265
Black	275	None

High temperature applications on bearings, kiln ovens, casters, oven bearings, high temperature exhaust fans and oven damper controls.