



Using Bel-Ray® lubricants on your machinery gives your entire business a boost. We help reduce costs and increase production across a wide range of industries.

Bel-Ray® releases the full potential of your machinery. Each moving part works more efficiently, which reduces your energy consumption and gives your equipment a longer life expectancy. You cut costs on maintenance and replacement parts because there's less wear and tear. Choose Bel-Ray® products and you're choosing to make your machinery more effective.

Bel-Ray® is manufactured in the USA, combining the latest technology with the finest raw materials.

Take care of your production line as well as your bottom line. Give us a call today.

### LEGACY

For 70 years, Bel-Ray® products have proven their value, setting the highest standards in quality and performance. As a leader in lubrication technology, our products have been engineered to protect while delivering superior business value for applications in aerospace, automotive, energy, food, marine, military, mining, motorcycle, OEM, powersports, steel, textile and other industries served by our Powersports, Industrial, Mining and Marine Divisions.

### VALUE

- 70 years experience
- On-site R&D
- Unrivaled customer support
- Products made in the USA
- Global distribution
- Strategic network of regional offices

### SUSTAINABILITY



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

### PACKAGE & AVAILABILITY

Bel-Ray® Food Grade Lubricants are available in a variety of sizes, please contact customer or technical services for more information.

As part of our commitment to quality and success, Bel-Ray® continually develops new products to better serve your industrial needs. For the most current product selection, please visit [belray.com](http://belray.com).



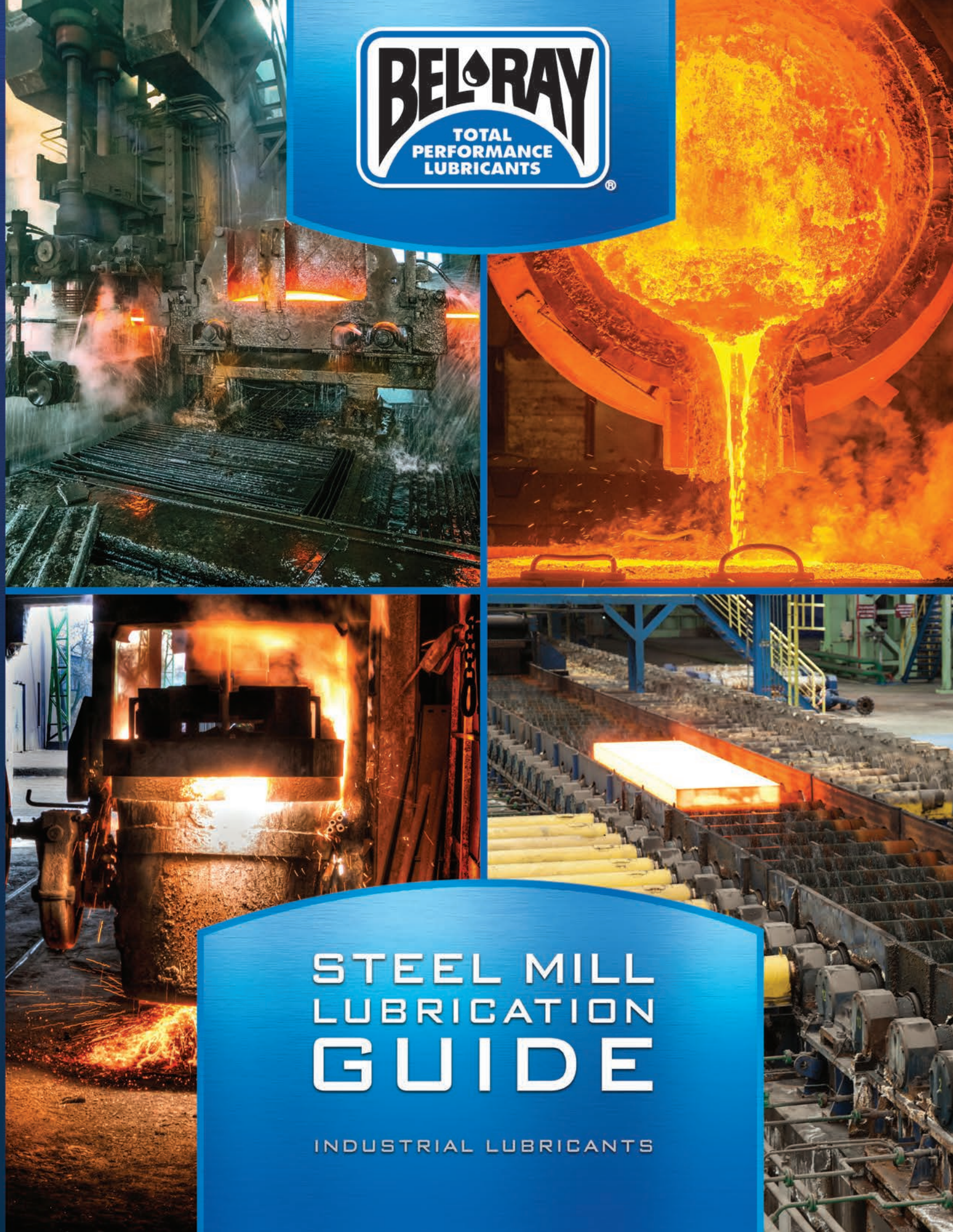
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# STEEL MILL LUBRICATION GUIDE

INDUSTRIAL LUBRICANTS



# STEEL MILL LUBRICATION GUIDE

BELRAY.COM

**M** MINERAL

**S** SYNTHETIC

INDUSTRIAL LUBRICANTS

## RAW MATERIAL IRON

LOCATION & EQUIPMENT	LUBRICATION POINT	RECOMMENDED INDUSTRIAL LUBRICANTS	PRODUCT NUMBER	MIN/ SYN
Kiln Door Rollers	Door Rollers	Molyube® High Temperature Grease	17830	<b>S</b>
Kiln Door Joints	Door Joints	Molyube® High Temperature Grease	17830	<b>S</b>
Kiln Conveyor Bearings	Bearings	Molyube® Extreme Pressure High Viscosity Grease 680-1	20254	<b>M</b>
Kiln Conveyor Gears	GBX Reservoir	Synthetic Gear Oil Series 320, 460, 680	66920, 66940, 66960	<b>S</b>
Kiln Hydraulics	Hydraulic Reservoir	FR Hydraulic Fluid 46, 68 *	59110, 59090	<b>S</b>

\* Check FR Hydraulic Fluid compatibility

## CASTING IRON/REFINING LIQUID STEEL

LOCATION & EQUIPMENT	LUBRICATION POINT	RECOMMENDED INDUSTRIAL LUBRICANTS	PRODUCT NUMBER	MIN/ SYN
Electronic Overhead Crane Gears	GBX Reservoir	Synthetic Gear Oil Series 320, 460, 680	66920, 66940, 66960	<b>S</b>
Electronic Overhead Crane Bearings	Bearings	Molyube® Extreme Pressure High Viscosity Grease 680-1	20254	<b>M</b>
Tire Hoist Pneumatic Tools Lubricator	Pneumatic Reservoir	Air Tool Lubricant	62620	<b>M</b>
Electrical Hydraulics	Hydraulic Reservoir	FR Hydraulic Fluid 46, 68 *	59110, 59090	<b>S</b>
Overhead Crane Cables	Brush/Spray Cables	Wire Rope Lubricant (Low Viscosity)	66700	<b>M</b>

\* Check FR Hydraulic Fluid compatibility

## CONTINUOUS FLOW MACHINES, CUTTER, COOLING AREA

LOCATION & EQUIPMENT	LUBRICATION POINT	RECOMMENDED INDUSTRIAL LUBRICANTS	PRODUCT NUMBER	MIN/ SYN
Distributor Hydraulics	Hydraulic Reservoir	FR Hydraulic Fluid 46, 68 *	59110, 59090	<b>S</b>
Roller Bearings	Bearings	Molyube® High Temperature Grease	17830	<b>S</b>
Gearboxes	GBX Reservoir	Synthetic Gear Oil 320, 460, 680	66920, 66940, 66960	<b>S</b>
Cutter Bearings & Gears	Bearings	Synthetic Gear Oil 320, 460, 680	66920, 66940, 66960	<b>S</b>
Cooling Area Chains	Chains	Molyube® Synthetic Ester Chain Lubricant	20750	<b>S</b>
Cooling Area Gearboxes	GBX Reservoir	Synthetic Gear Oil 320, 460, 680	66920, 66940, 66960	<b>S</b>
Cooling Area Bearings	Bearings	Molyube® High Temperature Grease	17830	<b>S</b>

\* Check FR Hydraulic Fluid compatibility

## MOULD PROTECTION

LOCATION & EQUIPMENT	LUBRICATION POINT	RECOMMENDED INDUSTRIAL LUBRICANTS	PRODUCT NUMBER	MIN/ SYN
High Pressure Press Bearings	Bearings	Synthetic Gear Oil 320, 460, 680	66920, 66940, 66960	<b>S</b>
High Pressure Press Gears	GBX Reservoir	Synthetic Gear Oil 320, 460, 680	66920, 66940, 66960	<b>S</b>
Screw Compressor	Compressor	Synthetic PAO Lubricant	Check OEM Specifications See Product Data Sheet	<b>S</b>
Reciprocating/Rotary Compressor	Compressor	Synthetic Ester Compressor Oil Series	Check OEM Specifications See Product Data Sheet	<b>S</b>
Airline Lubricators	Airline Lubricators	No-Tox® Food Grade Air Line Lubricant	62050	<b>M</b>

## REHEATER FURNACE

LOCATION & EQUIPMENT	LUBRICATION POINT	RECOMMENDED INDUSTRIAL LUBRICANTS	PRODUCT NUMBER	MIN/ SYN
Hydraulic Units	Hydraulic Reservoir	FR Hydraulic Fluid 46, 68 *	59110, 59090	<b>S</b>
Bearings	Bearings	Molyube® High Temperature Grease	17830	<b>S</b>

\* Check FR Hydraulic Fluid compatibility

## HOT ROLLING TRAIN

LOCATION & EQUIPMENT	LUBRICATION POINT	RECOMMENDED INDUSTRIAL LUBRICANTS	PRODUCT NUMBER	MIN/ SYN
Gearboxes	GBX Reservoir	Synthetic Gear Oil 320, 460, 680	66920, 66940, 66960	<b>S</b>
Bearings	Bearings	Molyube® High Temperature Grease	17830	<b>S</b>

## WIRE ROLLING

LOCATION & EQUIPMENT	LUBRICATION POINT	RECOMMENDED INDUSTRIAL LUBRICANTS	PRODUCT NUMBER	MIN/ SYN
"Knocks" Unit Bearings	Bearings	Molyube® High Temperature Grease	17830	<b>S</b>

## FINISHING

LOCATION & EQUIPMENT	LUBRICATION POINT	RECOMMENDED INDUSTRIAL LUBRICANTS	PRODUCT NUMBER	MIN/ SYN
Hot Sawing or Cutter Chains and Rollers	Chains/Rollers	Molyube® High Temperature Grease	17830	<b>S</b>

## COIL UNIT (WIRE STEEL)

LOCATION & EQUIPMENT	LUBRICATION POINT	RECOMMENDED INDUSTRIAL LUBRICANTS	PRODUCT NUMBER	MIN/ SYN
Hydraulic Units	Hydraulic Reservoir	Synthetic PAO Lubricant 32, 46, 68	63530, 63550, 63560	<b>S</b>
Bearings	Bearings	Molyube® High Temperature Grease	17830	<b>S</b>

## MISCELLANEOUS/UTILITY APPLICATIONS

LOCATION & EQUIPMENT	LUBRICATION POINT	RECOMMENDED INDUSTRIAL LUBRICANTS	PRODUCT NUMBER	MIN/ SYN
Screw/Reciprocating/Rotary Compressors	Compressors	Contact Bel-Ray Technical Service	Check OEM Specifications See Product Data Sheet	<b>S</b>
Conveyor Bearings	Bearings	Molyube® Extreme Pressure High Viscosity Grease 680-1	20254	<b>M</b>
Conveyor Gears	GBX Reservoir	Synthetic Gear Oil 320, 460, 680	66920, 66940, 66960	<b>S</b>
Various Hydraulics	Hydraulic Reservoir	Raylene Ashless Multi-Viscosity Hydraulic Oil 46	71750	<b>M</b>
Injection Press (Aluminum) Swing Joint	Swing Joint	Semi-Fluid Grease	43520	<b>M</b>
General Lubrication	Grease Fittings & Chassis	Molyube® Extreme Pressure High Viscosity Grease 680-1	20254	<b>M</b>
Electric Motor Bearings	Bearings	Synthetic PAO Grease 2	62530	<b>S</b>
Fork-Lift Trucks & Handling Machines	Engines	Heavy Duty Diesel Engine Oil Series	61510, 61560, 61580	<b>M</b>
Penetrating Oil	Chains & Multipurpose	6 in 1 Multipurpose Lubricant Spray	12310	<b>M</b>
Anti-Seize (Various types available)	Screws, Threads, Nuts & Bolts	Contact Bel-Ray Technical Service		