











WORLD CLASS LUBRICANTS

LUBRICANTS MARKET

FOR THE WORLDWIDE MINING

DRILLING

OPEN GEAR

ENCLOSED GEAR

HYDRAULICS/COMPRESSOR







Royal's Advanced ISOGOLD™ Technology is a proprietary blend of high-performance additives engineered to protect and lengthen the life of equipment.

In today's mining environment, ever-increasing production demands placed on electric rope shovels, walking draglines, hydraulic excavators mobile and process equipment require specialized, high performance lubricants. Royal's high performance, severe-duty lubricants are critical in the daily efforts to combat wear, maximize uptime and minimize lubricant related operating costs.

Royal's high-performance lubricants are engineered to provide maximum equipment protection in extreme conditions of temperature, high loads and shock loads. Royal's lubricants provide maximum protection against the effects of contamination including air borne dirt and dust, water, snow and ice.







ROYAL 876 GREASE

A heavy-duty lithium complex grease designed for highload capabilities. Formulated with high-viscosity base oils and a synergistic combination of high-quality extreme pressure (EP) and heavy-duty additives, it offers excellent structural and oxidative stability and high resistance to water washout. Also contains a tackiness additive enhancing stay-in-place properties.













GREASE COLOR: RED

LITHIUM COMPLEX

- **EXTREME PRESSURE**
- **WATER RESISTANT**
- **EXTENDED SERVICE**
- HIGH TEMPERATURE
- HIGH VISCOSITY
- HIGH TACK



ROYAL TUNDRA GREASE

A long life, fully synthetic, calcium sulfonate complex grease embodied with solid lubricants specially designed to extend service life in arctic climate conditions. This grease is formulated with fully synthetic polyalphaolefin (PAO) base oil and is engineered with compatible synergistic additives to provide the highest performance under heavy/shock load applications.











GREASE COLOR: BLUE

CALCIUM SULFONATE COMPLEX





EXTENDED SERVICE



1 SHOCK LOAD



ROYAL ULTRA 865M GREASE

High-viscosity base oil and overbased calcium sulfonate complex thickener system fortified with molybdenum and our proprietary Advanced ISOGOLD™ technology. Contains 5% lubricating solids. A perfect choice for heavily loaded applications in hot or wet and corrosive environments.















CALCIUM SULFONATE COMPLEX

GREASE COLOR: BLACK

EXTREME PRESSURE

WATER RESISTANT

EXTENDED SERVICE

HIGH TEMPERATURE

▲ HIGH VISCOSITY

SHOCK LOAD

CORROSION PROTECTION

ADVANCED ISOGOLD™ TECHNOLOGY





ROYAL ULTRA 865 HD GREASE

Suitable for heavily loaded conditions, wet environments, and where high temperatures exist. Will perform virtually in all industrial applications, especially environments with concurrent high temperatures and water ingress.













GREASE COLOR: AMBER

CALCIUM SULFONATE COMPLEX

- **EXTREME PRESSURE**
- **WATER RESISTANT**
- **EXTENDED SERVICE**
- HIGH TEMPERATURE
- HIGH VISCOSITY
- 1 SHOCK LOAD
- **CORROSION PROTECTION**



ROYAL BARIUM ROD GREASE

A premium barium complex grease with advanced additives protection to provide excellent lubrication and adherence on metal surfaces. This long fibrous structure is designed for temperatures -18°C to 150°C. Recommended in diamond drill rod applications and reduces wear and friction between drill rod and rock strata.







BARIUM COMPLEX

- **EXTREME PRESSURE**
- **WATER RESISTANT**
- **CORROSION PROTECTION**





ROYAL VOLT GREASE

A premium, EP, multipurpose, long life, electric motor grease which exhibits excellent thermal stability, excellent high and low temperature capabilities, and superior shear stability when compared to typical polyurea greases. This grease has excellent water resistance characteristics and will not wash out.





PERFORMANCE KING







POLYUREA

- **EXTREME PRESSURE**
- **EXTENDED SERVICE**
- SEALED FOR LIFE
- HIGH TEMPERATURE
- **CORROSION PROTECTION**



ROYAL HAMMER PASTE

A high-performance grease specifically designed for hydraulic hammers and other tools requiring anti-seize compounds. Hydraulic hammers and other such tools experience extreme shock and axial loads that can lead to rapid wear and tear of contact surfaces and quide bushings.









GREASE COLOR: GREY

CALCIUM SULFONATE COMPLEX





HIGH TEMPERATURE

1 SHOCK LOAD





ROYAL NLZ TOOL JOINT COMPOUND

Anti-seize compound specifically formulated for drill pipe, weight pipe and collars. Special formula prevents metal-to-metal contact under severe operating conditions and provides protection against seizure, galling and breakdown. Pipe dope designed for making breakouts and connections.







GREASE COLOR: BLACK

LITHIUM COMPLEX

EXTREME PRESSURE

WATER RESISTANT

HIGH/LOW TEMP

OPEN GEAR



ROYAL ULTIMATE 1000

Premium, high quality, semi-fluid open gear grease with an aluminum complex soap, high viscosity base oil and does not contain any asphalt or chlorine to maximize gear protection. Royal Ultimate can be applied by aerosol spray, immersion and brush systems. Its operating temperature range is -18°C to 150°C (0°F to 300°F).



NLGI 00 0



GREASE COLOR: BLACK



ROYAL ULTIMATE 2500

A high performance service lubricant for mining equipment in extreme operating conditions. Royal Ultimate can be applied by aerosol spray, immersion and brush systems. Similar to Royal Ultimate 1000, but with higher viscosity: 2500 cSt @ 40°C.

Royal Ultimate 50K is a super tacky compound type open gear

lubricant with a base oil viscosity of 50,000 cSt @ 40°C. It is

solvent, asphalt and chlorine free recommended for dragline

and rope shovel hoist, drag, crowd, propel and swing open

gears, house rollers and rails, dipper sticks and handles and



NLGI 00 000



GREASE COLOR: BLACK

ADVANCED ISOGOLD™ TECHNOLOGY

GREASE COLOR: BLACK

ALUMINUM COMPLEX

- **EXTREME PRESSURE**
- **WATER RESISTANT**
- **CORROSION PROTECTION**
- HIGH TACK
- ▲ HIGH VISCOSITY
- HEAVY LOAD
- ADVANCED ISOGOLD™ TECHNOLOGY



INLUBE INDUSTRIAL GEAR OIL

Recommended for use in all types of enclosed industrial gear drives, bearings, chain and slides requiring extreme pressure oils - with excellent antifoam and water separation. Satisfies most major industrial gear manufacturers' requirements, including AGMA 250.04, US Steel 224, and MIL-PRF-2105E.



№ 246 268 2100 2150 2220

ENCLOSED GEAR

PREMIUM GEAR OIL



WATER RESISTANT

1 SHOCK LOAD

EXAMPLE



ROYAL CENTURION PREMIUM GEAR LUBRICANT

A new generation of industrial gear oil with quality base oils and proven organic polymeric compounds that won't shear out under stress, even in highly contaminated environments. Meets or exceeds the performance requirements of AGMA 250.04, 251.02; US Steel 224, Cincinnati Milacron P-76, P-77, P-74, P-59, P-35 and MIL-PRF-2105E.



※ 월150 불 80W-90 월320 불 85W-140

PREMIUM GEAR OIL

EXTREME PRESSURE

EXTENDED SERVICE

HEAVY LOAD

ADVANCED ISOGOLD™ TECHNOLOGY



house rollers.

NLGI 00 000

ROYAL ULTIMATE 50K

HYDRAULICS/COMPRESSOR



ROYAL MULTI-GEAR SELECT EP GL-5

Multi-purpose gear lubricant that attains high performance using a sulfur-phosphorus additive treatment. Recommended for run-of-mine-vehicles, tractors, earthmoving and other heavy-duty equipment for which an API GL-5 gear oil is specified.

※ 홍 80W-90 홍 85W-140

PREMIUM GEAR OIL

EXTREME PRESSURE

WATER RESISTANT

CORROSION PROTECTION

EXTENDED SERVICE

HEAVY LOAD



ROZEP ADVANCED HYDRAULIC FLUIDS

Superior anti-wear hydraulic oils developed to meet Caterpillar Hydro 10 as well as other HD equipment manufacturer specifications. Designed for superior performance in reciprocating compressors subjected to sour, wet and highpressure gasses. Recommended for use in high-pressure hydraulic systems which utilize vane, piston or gear pumps.

№ 246 268 2100

PREMIUM Hydraulic fluid

EXTREME PRESSURE

CORROSION PROTECTION

EXTENDED SERVICE

ADVANCED ISOGOLD™ TECHNOLOGY



MONARCH SYNGEAR OILS

Synthetic, extreme pressure gear lubricants. They provide superior film strength, wear control, and exceptional oxidation resistance resulting in excellent sludge and varnish control for increased oil life. While intended for use in enclosed gear cases, they can also recommended for use in air compressors, bearings and circulating oil systems.

№ 232 246 268 2100 2220 2320 2460

PREMIUM GEAR OIL

EXTREME PRESSURE

CORROSION PROTECTION

1 SHOCK LOAD



MONARCH SYNCOMP

Formulated with the highest quality synthetic Polyalphaolefin (PAO) base fluids, which can reduce viscosity loss during use. Recommended for most reciprocating, rotary vane, and screw compressors. These oils have been used successfully in reciprocating and rotary screw compressors from Ingersoll-Rand, Quincy, Sullair, Atlas Copco and Gardner-Denver.



№ 232 246 268 2100 2150 220 2460

EXTREME PRESSURE

SYNTHETIC COMPRESSOR OIL

CORROSION PROTECTION

EXTENDED SERVICE



CIRRO XS TURBINE OIL

A superior quality turbine oil designed to inhibit rust and oxidation. The ASTM D-943 TOST exceeding 10,000 hours enables use in applications requiring very long life, where other turbine oils fail. Recommended for use in steam and gas turbines, including the General Electric Frame 7 units, as well as many pumps, compressors, oil circulating systems, centralized oil mist systems and other applications requiring a top quality, long life turbine oil.

№ 232 246 268 2100

R&O TURBINE OIL

CORROSION PROTECTION

EXTENDED SERVICE





ENVIRONMENT FRIENDLY PRODUCTS



ROYAL ENVIROGUARD EP GREASE

Designed for superior performance in environmentally sensitive applications. Will meet VGP requirements and is readily biodegradable. This grease has been fortified with environmentally safe additives enabling superior performance under heavy load, water ingress, and moderately high temperatures.







LITHIUM COMPLEX

EXTREME PRESSURE

WATER RESISTANT

CORROSION PROTECTION



ENVIROGUARD AW HYDRAULIC OILS

Anti-wear hydraulic oils using a vegetable oil base fluid and a unique, non-metallic, ashless additive system. These oils were developed as an alternative to mineral oil based hydraulic fluids in response to environmental concerns and are perfect for use in sensitive areas.



№ 232 246 268

BIODEGRADABLE OIL

- LOW TEMPERATURE

CORROSION PROTECTION

▲ HIGH VISCOSITY



ENVIROGUARD ROCK DRILL OILS

Environmentally friendly product formulated with high quality, biodegradable base oils for the lubrication of pneumatic tools such as rock drills, percussion drills, pavement breakers, and jackhammers. These lubricants contain special extreme pressure and tackiness additives that increase film strength and guard against wear in adverse conditions.



№ 100 **№**150

BIODEGRADABLE OIL

EXTREME PRESSURE

WATER RESISTANT

LOW TEMPERATURE

CORROSION PROTECTION

▲ HIGH VISCOSITY

