

Mining

*Customized Range of
Tough Lubricants for
Mining Equipment*





Tough lubricants for challenging applications in Mining Industry.

Whether you're mining for minerals, metals, oil sands, or coal, you expect your equipment to perform reliably and efficiently to maximize production, protect the environment and ensure safe operation. Because of the nature of the job, mining equipment often has to perform very intensive and heavy-duty work. As a result, wear and tear are inevitable. Hence a lubricant plays an indispensable role in this entire process. When a suitable lubricant is used, it can result in various benefits. From cost savings to prolonging the life of mining equipment, lubricants can have a very significant impact on day-to-day mining operations.

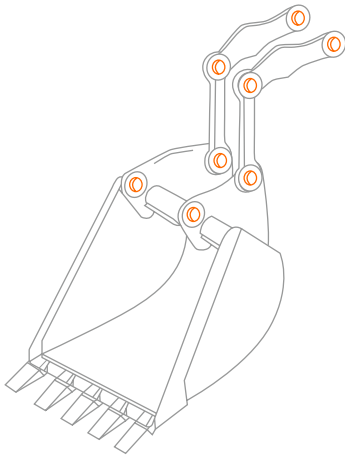
The Molygraph range of long-lasting mining lubricants is formulated with advanced lubrication technology for demanding applications to ensure good adhesion, resistance to high loads, and protection against wear. Incorporating high-quality solid lubricants and additives has ensured peak performance for every part of the equipment.

Our field engineering team is ready to help you with lubricant selection & application thereby reducing breakdowns and maintenance costs.

OPERATING CONDITIONS

- | | |
|------------------|----------------------------------|
| ➤ Heavy loads | ➤ High pressure |
| ➤ Vibrations | ➤ Hot, humid & dusty environment |
| ➤ Excessive wear | |

Featured Products



SGH 460 M

Industry standard and highly efficient calcium sulphonate grease for bearing lubrication.



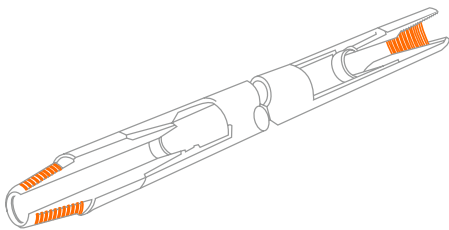
Mining operations are undertaken under severe conditions. Dust, water ingress, heat & humidity, extreme loads & contamination in bearings can play havoc in the day to day operations.

SGH 460 M is a calcium sulfonate grease manufactured using Molygraph's proprietary process.

The grease demonstrates excellent worked stability, high EP, water resistance & rust and corrosion protection.

Key Benefits:

- Molygraph's SGH 460 M is manufactured using our proprietary in house technology.
- Specially selected base oils and a proprietary additive package creates a compelling solution to face challenges in your mining operations.



DR Grease HD 1

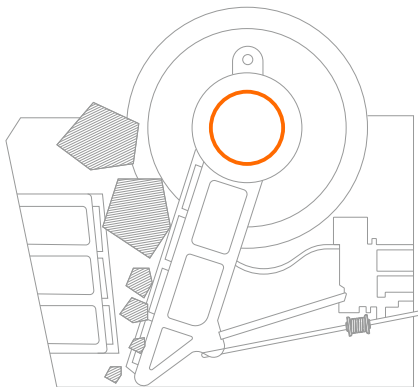
Water resistant and tacky drill rod grease without heavy metals for environmentally friendly applications.



DR Grease HD 1 is a type of lubricant specifically designed to be used on drill rods & other drilling equipment. The grease is applied to the threads of the drill rod to reduce friction and wear during drilling operations, and to help protect against rust & corrosion in storage.

The DR grease HD 1 has been specifically formulated for the following benefits:

- Reducing friction and increasing the efficiency of the drilling process.
- Increasing the lifespan of the equipment by preventing rust and corrosion and avoiding costly repairs or replacements.
- Enhances the drilling performance by reducing the torque required to turn the drill rod and increasing the rate of penetration.



MFG 150 ST 3

Superior grease withstanding shock loads and high temperatures for lubrication of stone crushers.



MFG 150 ST-3 has been specially developed for the stone crusher industry. This is a heavy duty grease that has been formulated to withstand heavy loads and provides high levels of adhesion due to incorporation of special tackifiers. This allows the lubricant to stay in the bearing for prolonged periods of time and directly correlates to increased relubrication intervals and longer equipment life.

Key Benefits:

- High EP and load properties.
- Excellent adhesion due to addition of special tackifiers.
- High grade additive package provides high levels of corrosion protection and water resistance.

Product Selector

EQUIPMENT	APPLICATIONS	FEATURES & BENEFITS	PRODUCT
Process Equipment / Mobile Equipment	Open Gear	Open gear grease with high purity graphite and specially chosen extreme pressure additives that help prevent excessive wear, squeeze out & ratio change. Withstand shock loads and pressures.	OGG 2500
		Premium grade sprayable fluid grease for heavy duty open gear that prevents scoring, scuffing, galling, clawing, pitting, sliding and slipping.	SPRAY LUBE 1250 / 2500
	Enclosed Gear (Gear Box)	High temperature synthetic gear oils with good AW and EP characteristics.	ULTRA GEAR SYN OILS
	Bearings	Premium moly greases for exceptional protection under harsh operating conditions. exhibits excellent extreme-pressure, antiwear properties and outstanding structural stability.	MFG 460 3M / 5M
		High-quality lubricating grease with EP and AW properties for heavy load applications.	SGH 460 PLUS
	Gear Coupling	A sheer stable EP fortified water resistant grease for high load application.	SC 1000 M 50
	Electric Motor	Long life synthetic high temperature polyurea grease with extended relubrication intervals.	PUG 9500 HS
	Wire Rope	High performance wire rope, chain & cable grease.	CRG 100 GRADE 1
		Premium grade wire rope grease for wide operating temperatures. Excellent penetrating properties to lubricate & protect the core from corrosion and wear.	CRG 100 M SERIES
	Drill Rod	Heavy duty water resistant and temperature resistant drill rod grease.	DR GREASE HD / 1
	Stone Crusher Bearings	Multifunctional heavy duty grease with good EP & AW properties.	MFG 150 ST3



Product Specifications

GREASES

PRODUCT	THICKENER / OIL	BASE OIL VISCOSITY @ 40°C (cSt)	NLGI GRADE	DROPPING POINT (°C)	OPERATING TEMPERATURE (°C)
OGG 2500	Metal Complex / Mineral	2500	#2	+250	-20 / +150
SPRAYLUBE 1250 / 2500	Aluminium Complex / Refined Mineral Oil	1250 2500	#0 / 00 #00	None	-25 / +180
MFG 460 3M / 5M	Lithium Complex / Mineral	460	#2 / #1, #0	+260	-20 / +200
SGH 460 PLUS	Calcium Sulfonate Complex / Mineral	460	#2	+300	-25 / +200
SG 1000 / 1	Lithium / Mineral	1000	#1	+190	-20 / +160
PUG 9500 HS	Polyurea / Synthetic	100	#2	+250	-30 / +200
CRG 100 GRADE 1	Lithium / Mineral	460	#1	+180	-10 / +140
CRG 100 M SERIES	Organically Modified Clay / Highly Refined Mineral Oil	460 / 100	#00	NA	-10 / +180
DR GREASE HD / 1	Aluminium Complex / Mineral	460	#1	+300	-10 / +200
MFG 150 ST3	Special Soap / Mineral	150	#3	+180	-20 / +120

OILS

PRODUCT	BASE OIL	BASE OIL VISCOSITY @ 40°C (cSt)	COPPER CORROSION (Rating)	POUR POINT (°C)	FLASH POINT (°C)
ULTRA GEAR SYN OILS	PAO	32 / 100 / 150 / 220 / 320 / 460 / 680 / 1000	1a	-48 / -45 / -45 / -39 / -36 / -33 / -27 / -24	220 / 220 / 220 / 225 / 225 / 225 / 230 / 240

Accelerating industrial performances across the world

Designed by empirici designs



Efficient lubrication solutions to drive industries forward

Molygraph is India's leading engineered lubricants company. For over 32 years we have mastered the art of making high quality speciality lubricants for various industries & applications. At the core of each of our products lies our strong emphasis on Research & Development and a deep understanding of the client's expectations, which helps us deliver optimal solutions.

The consultative selling approach lays emphasis on value creation for our clients & has led Molygraph to be a front runner in the speciality Lubricants market in India as well as developing a global footprint with a presence in over 25 countries around the world.

BUSINESS VERTICALS

- Animal Feed
- Automotive Components & Manufacturing
- Cement
- Food
- Forging
- Metal Cutting & Forming
- Mining
- MRO
- Oil & Gas
- Pharmaceutical
- Plastic Moulding
- Pulp & Paper
- Punching & Stamping
- Steel
- Sugar
- Textile
- Wind Power

PRODUCT LINE

- Aerosol Sprays
- Cleaners & Degreasers
- Dispersions
- Lubricating Greases & Pastes
- Lubricating Oils
- Metal Forming Fluids
- Rust Preventives
- Solid Lubricants
- Thread Dope Compounds

PRODUCT APPLICATIONS

- Bearings
- Chain & Wire Ropes
- Conveyor Chains
- Forging & Extrusion
- Gears
- Metal Cutting & Grinding
- Metal Punching & Stamping
- Nuts, Bolts & Threads
- Sheet Metal Drawing
- Valves

