

OIL TECH

The Lubrication Specialists

TECHNICAL DATA SHEET

ROCKDRILL 320 MOLY

PRODUCT DESCRIPTION

Mineral oil lased extreme service rock drill and hammer lubricant.

They are specially formulated to lubricate the rotation gears on hydraulically powered machines and pneumatically powered rock drilling machines.

Rockdrill 320 Moly is part of a range of mineral oil based products compounded with extreme pressure, anti-rust, anti-wear and anti-fogging additives to provide high film strength oils to lubricate all moving surface. Rockdrill 320 Moly is further fortified with molybdenum disulfide solid phase lubricant for exceptional performance under extreme service conditions.

PERFORMANCE

- Contains molybdenum disulfide solid lubricant for superior wear and EP protection.
- Increased tool life over conventional lubricants.
- Superior adhesion due to tacky additives with greater resistance to washing action of water than conventional products.
- Increased drilling penetration due to efficient lubrication.
- Reduced downtime in changing drill bits
- Reduces failure of drill bits deep mining operations due to sudden expansion of compressed air mixed with atmospheric moisture at the bit end, eliminating the “freezing” effect.
- Excellent extreme pressure lubrication-provides wear protection to moving part under extremes of temperature and pressure.
- High operating viscosity-retains viscosity at high temperatures, ensuring effective sealing and optimum performance of the hammer.
- Reduced injection rates with no reduction in lubrication of the hammer.

APPLICATION

Rockdrill 320 Moly is recommended for use in large pneumatic hammers in demanding applications.

As a general rule, the following consumption applies based on maximum air pressure of 350 psi (2400 kPa)

Hole size (mm)	Volume (L/H)
92 - 127	1.5 - 2.5
190 - 215	2.5 - 3.0
215 - 222	3.0 - 3.5

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TYPICAL INSPECTION

ISO Grade	ISSO 3448	320
Density @ 15°C	ASTM D1298	0.92
Flash Point °C	ASTM D92	>200
Viscosity cSt @ 40°C	ASTM D445	320
Viscosity cSt @ 100°C		25
Viscosity Index	ASTM D2270	100
Total Acid Number	ASTM D974	0.22