



LE PRODUCTS
 MANUFACTURED
 UNDER AN ISO
 9001:2000
 CERTIFIED
 QUALITY SYSTEM

6301, 6303, 6305 MONOLEC® ROCK DRILL LUBRICANT

For highly efficient operation and protection against wear, rust and corrosion in rock drills, jackhammers and other air-powered tools.

Among the most severe demands on lubricants are those related to operation of air activated percussion tools such as rock drills and jackhammers. Extreme service conditions include pounding, constant pressure, moist air; or, usually, all or a combination of these.

Product	AVAILABLE GRADES	
	ISO Grade	Equivalent SAE Grade
6301	32	10
6303	100	30
6305	220	50

Unlike ordinary air tool oils, which require frequent replenishment, MONOLEC Rock Drill Lubricant possesses qualities designed specifically for more effective and prolonged service in the difficulties of properly lubricating air-powered tools.

MONOLEC Rock Drill Lubricant provides performance features superior to any ordinary commercial oils for use in this equipment -

- Ⓛ Contains MONOLEC, LE's exclusive wear-reducing additive, proven in radioactive wear tests to reduce wear by 24.2%; gives outstanding protection against frictional and corrosive wear.
- Ⓛ Uses 100% paraffinic base oil, with a higher natural Viscosity Index. Oil changes less in viscosity with temperature variations.
- Ⓛ Special rust and corrosion resistance additives give far longer equipment service life.
- Ⓛ Lubricity additive enhances essential oiling capacity for air-powered tools.
- Ⓛ Anti-foam agent breaks up air bubbles for lower operating temperatures and pressures, and increased oxidation resistance.



No other brand of petroleum rock drill lubricant, regardless of price, will be found superior in condition to MONOLEC Rock Drill Lubricant at the end of any given period of use.

- Ⓛ Emulsifying agent enables MONOLEC Rock Drill Lubricant to cling to metal parts where moisture is present.
- Ⓛ Adhesion additive works with emulsifying agent to hold MONOLEC Rock Drill Lubricant to the lubricated surface, providing lubrication even at high speeds and temperatures.
- Ⓛ Extreme pressure (EP) additive keeps metal surfaces from galling and welding.
- Ⓛ Additional anti-wear agent combines with MONOLEC for even greater film strength and anti-wear characteristics; enables MONOLEC Rock Drill Lubricant to withstand Timken OK load of 55 lbs.
- Ⓛ Inherently higher oxidation resistance prevents MONOLEC Rock Drill Lubricant from combining readily with air to form destructive by-products; a very important feature for air-powered tools.
- Ⓛ Selected viscosities to meet operating requirements of rock drills and similar equipment.

**LUBRICATION
 ENGINEERS,® Inc.**

Leaders in Lubricants



Users can expect these major benefits from the unique combination of features designed into MONOLEC® Rock Drill Lubricant

- Much increased productive service from bearings and other moving parts.

- MONOLEC gives extended equipment life, saving replacement costs.

- Lower operating temperatures for longer maintenance-free service, through reduced friction.

- Far greater resistance to destructive attack of contaminants; wear resistance achieved by increased film strength; superior lubricity protects equipment.

- Elimination of erratic power for smoother and more efficient operation.

- Reduces rust and corrosion in equipment service.



- Provides fully effective lubrication at high speeds, loads and temperatures.

- Increases equipment life and promotes easier operation even at full power in prolonged usage.

MONOLEC Rock Drill Lubricant passes Gardner-Denver wear requirements, with a carrying load of 300,000 psi, giving top performance under very heavy duty conditions.



TECHNICAL DATA

PHYSICAL CHARACTERISTICS – TYPICAL:

	<u>6301</u>	<u>6303</u>	<u>6305</u>
ISO Grade	32	100	220
Equivalent SAE Grade		30	50
Gravity, °API	31.9	29.8	28.1
Viscosity			
SUS @ 100°F	165.6	511.8	1154
SUS @ 210°F	44.91	65.22	97.56
cSt @ 40°C	32.31	98.7	219.5
cSt @ 100°C	5.66	11.47	19.33
Viscosity, Index	95	95	95
Color	Red	Red	Red
Flash Point, °F (°C)	410 (210)	460 (238)	460 (238)
Pour Point, °F (°C)	-22(-30)	-11 (-24)	0 (-18)
Timken OK Load, lbs. (D-2782)	55	55	55
Copper Corrosion (D-130)	1b	1b	1b

**LUBRICATION
ENGINEERS,® Inc.**

Leaders in Lubricants

