

POWERMAXX ROCK DRILL OIL

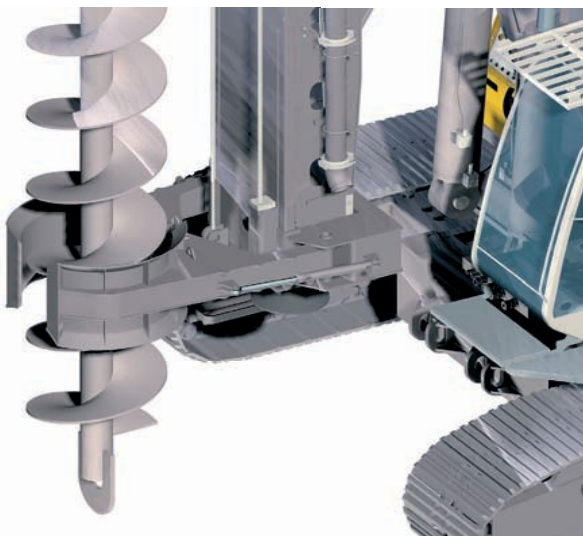
DESCRIPTION:

POWERMAXX Rock Drill Oil is an adhesive, extreme-pressure (EP) lubricant specially developed for the lubrication of air-powered tools such as rock drills, jackhammers, pavement breakers and drifters to lubricate and cool the internal mechanisms and moving parts of pneumatic drilling equipment. It also is recommended for the lubrication of mining and industrial equipment operating in wet environments. It is formulated with an ashless, chlorine-free additive package for reduced environmental impact.

POWERMAXX Rock Drill Oil is formulated with premium high-quality paraffinic base oils and specially blend with non-chlorinated high performance anti-wear additive packages technology ensures extended lubrication and trouble free service. It provides excellent protection in heavy duty pneumatic percussion tools, rock drills operating at high temperature and under extreme pressure. It has also high load-carrying capacity to protect against wear and seizure of sliding metal surfaces under heavy or shock-load conditions. The emulsion and metal surface adhesion properties allow a maintained lubricant film in the presence of moisture. It also provides protection against rust and corrosion. It also has good oxidation resistance and thermal stability at high temperatures for long service life. The non-chlorinated additive package helps reduce environmental impact in case of leaks or stray mist, and facilitates waste oil disposal.

APPLICATIONS

- These applications include pneumatic equipment tools such as used for rock drills, mining, tunnelling, sample drilling, jack-hammers, pavement breakers, compactors, and other pneumatic equipment.
- Mining equipment such as demolition hammers, chipping hammers and drifters.
- Enclosed industrial gearboxes where leakage is a problem.
- It is also designed for use as an air-line and operating lubricant for high air flow pneumatic drilling equipment operating in heavy duty service environments.
- **POWERMAXX ISO 32 & 46** formula is specially designed for low temperature operations. Advanced mid-grade viscosities offer outstanding equipment protection and operating efficiency across a wide range of applications and temperature range for excellent performance across all seasons. Equally adept at meeting the needs of small, high speed drills along with the heavy duty demands of large, slow speed drills operating in extended service and high temperature conditions.



PERFORMANCE STANDARD MEETS:

POWERMAXX Rock Drill Oil meets the specification requirements of the following equipment manufacturers and etc: **Gardner Denver, Chicago Pneumatic, Joy Manufacturing, Ingersoll-Rand.**

ADVANTAGES & BENEFITS: POWERMAXX Rock Drill Oil delivers value through the following benefits:

- **High Performance Additive Package** - Non-chlorinated additive package for reduced environmental impact. Low odour & good foam resistance, protects against wear and seizure.
- **Long Equipment Life** - anti-wear additives minimize wear by protecting surfaces even when heavy loads cause lubricant film breakdown, good oxidation resistance and thermal stability.
- **Minimized Downtime** - corrosion inhibitor system prevents the production of rust, deposits, varnishes, and sludge, resists dripping and leakage and low fogging tendency which can damage metal surfaces and oil seals. Special additives emulsify moisture to ensure a reliable active lubricant film. Resists dripping and leakage and low fogging tendency.
- **Smooth Operation** - excellent fluid stability and low temperature mobility.
- **Low Mist Tendency** - lowers oil consumption by reducing undesirable oil misting losses.
- **Extreme Pressure Protection** - minimizes wear caused by heavy, repeated shock loading. Tackiness agents ensure oil adheres firmly to metal parts even under extreme stress.
- **High Impact Strength and Wear Protection** - offers excellent load carrying ability and withstands heavy shock loads typical of rock drill equipment. Provides protection against rapid wear and offers long equipment life.
- **Excellent Lubricity Property** - possesses excellent lubricity and anti-wear properties in order to provide high film strength even in high pressure applications. Ensures reliability, longer operating life and less maintenance.
- **Excellent Adhesive Characteristics** - prevents wash off by any incidental contact with water. Offers excellent protection in wet environments. Maintains system efficiency. Good adhesion to metal surfaces in the presence of moisture.
- Eight viscosity grades for use over a wide range of temperature.

PROPERTIES

ISO GRADE	TEST METHOD	32	46	68	100	150	220	320	460
Color	ASTM D1500	1.5	1.5	2.5	2.5	3	3.5	4	4.5
Sp. Gravity @ 15°C	ASTM D1298	0.863	0.868	0.872	0.876	0.881	0.886	0.890	0.895
Viscosity @ 40 °C	ASTM D445	32	56	68	100	150	220	320	460
Viscosity @ 100 °C	ASTM D445	5.7	7.2	9.2	12.3	15.7	20.2	25.2	31.7
Viscosity Index	ASTM D2270	119	117	112	115	108	106	102	102
Flash Point °C	ASTM D92	204	208	218	222	232	234	242	242
Pour Point °C	ASTM D97	-37	-37	-33	-28	-21	-18	-18	-12
Acid Number,	ASTM D664	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
Copper Corrosion,	ASTM D130	4c	4c	4c	4c	4c	4c	4c	4c
Weld Load, kg	ASTM D2783	+400	+400	+400	+400	+400	+400	+400	+400
Four-Ball Wear Scar	ASTM D4172	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
Timken OK Load	ASTM D2782	70	70	70	70	70	70	70	70
Rust Test	ASTM D665 A	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

POWERMAXX LUBE INDIA

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