

KLONDIKE BIO Rock Drill Oils: ISO 100, 150



PRODUCT DESCRIPTION

KLONDIKE BIO Rock Drill Oil is specially formulated to lubricate and cool the internal mechanisms and moving parts of pneumatic drilling equipment. This advanced fluid provides reliable and efficient performance in extreme conditions for increased productivity and long equipment life.

APPLICATIONS

KLONDIKE BIO Rock Drill Oil is designed for use as an air-line and operating lubricant for high air flow pneumatic drilling equipment operating in heavy duty service environments. These applications include pneumatic equipment used for mining, tunneling, sample drilling, jack-hammers, pavement breakers, compactors, and other pneumatic equipment.

Various available 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.



SPECIFICATIONS AND APPROVALS

KLONDIKE BIO Rock Drill Oil meets the specification requirements of (but not limited to) the following equipment manufacturers:

- Gardner Denver
- Chicago Pneumatic
- Joy Manufacturing
- Ingersoll-Rand
- Atlas Copco
- HALCO

FEATURES AND BENEFITS

KLONDIKE BIO Rock Drill Oil is manufactured using readily biodegradable, HETG triglyceride ester base oils and ashless, non-toxic additives. These specialized, performance improving additive components are carefully balanced to ensure extended, trouble free service in heavy duty rock drills operating at high temperature and under extreme pressure. This fluid is designed to operate over a broad temperature range, helping lower maintenance costs and equipment down time. Although designed specifically for use in pneumatic equipment, this versatile fluid may also be used in general purpose lubricant applications where clear, tacky, corrosion inhibited oils are recommended.

KLONDIKE BIO Rock Drill Oil is classified as 'readily biodegradable' according to OECD 301B criteria and is non-toxic to freshwater and marine invertebrates according to OECD 203 criteria.

KLONDIKE BIO Rock Drill Oil delivers value through the following benefits:

- **Long equipment life** – extreme pressure and anti-wear additives minimize wear by protecting surfaces even when heavy loads cause lubricant film breakdown.
- **Minimized downtime** – corrosion inhibitor system prevents the production of rust, deposits, varnishes, and sludge, which can damage metal surfaces and oil seals.
- **Smooth operation** – excellent fluid stability and pumpability.
- **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.



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TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	ISO 100	ISO 150
Viscosity @ 40°C (cSt)	ASTM D445	100	150
Viscosity @ 100°C (cSt)	ASTM D445	175	25
Viscosity Index (min)	ASTM D2270	210	210
Flash Point °C	ASTM D92	>300	>300
Pour Point °C	ASTM D5950	-30	-28
Timken load	ASTM D2509	70	70
Falex EP Load	ASTM D3233	3500	3500
Biodegradability	OECD 301B	YES > 80%	YES > 80%

All stated physical properties are typical of standard production and may vary.

HEALTH AND SAFETY

This product is not expected to have adverse health implications when used for its intended application. For detailed information on safe handling of this product, refer to its Material Safety Data Sheet (MSDS). To obtain an MSDS on this or any other KLONDIKE product, please visit www.klondikelubricants.com or call 1-877-293-4691. When disposing of used product, be responsible to the environment.

BRAVING THE FORCE OF MOVEMENT

KLONDIKE stands for robust, reliable, high quality products tailored to suit the requirements of the on- and off-road heavy duty, automotive and industrial markets. Our solutions span from trend-setting retail lubricants through small-batch custom formulations to large bulk orders ready for immediate delivery.

The extensive KLONDIKE product range includes premium oils, lubricants, greases, chemicals and specialty fluids formulated with virgin base oils and protective inhibitors. Designed to handle the most extreme climates and operating conditions, the KLONDIKE products protect and extend the life of your equipment, optimize performance and improve productivity while meeting and exceeding industry standards and specifications.

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