



## EMIRATES 1 ROCK DRILL OILS

### DESCRIPTION

**EMIRATES 1 ROCK DRILL OILS** are 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

**EMIRATES 1 ROCK DRILL OILS** are designed for use as an airline 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. **ISO 32** formula is specially designed for low temperature operations. Advanced **ISO 150** formula ensures maximum equipment protection and operating efficiency across a wide range of applications operating across a wide 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.

### Properties

**EMIRATES 1 ROCK DRILL OILS** are manufactured with premium paraffinic base oils and specialized, high performance additives. This carefully balanced blend of anti-wear, performance improving additive technology ensures 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.

### Product Benefits

- Long equipment life
- Low mist tendency
- Optimal oil service life
- Extreme pressure protection
- Smooth operation.
- Minimized downtime

### Recommendations / Specifications

**EMIRATES 1 ROCK DRILL OILS** meets the specification requirements of (but not limited to) the following equipment manufacturers: **Gardner Denver, Chicago Pneumatic, and Joy Manufacturing & Ingersoll-Rand.**

### TYPICAL TECHNICAL PROPERTIES

ISO Viscosity Grade	32	68	100	150	220
Appearance, Visual	B&C	B&C	B&C	B&C	B&C
Density at 15°C, g/ml, ASTM D4052	0.870	0.874	0.875	0.878	0.88
Kinematic Viscosity at 40°C, mm <sup>2</sup> /s, ASTM D445	32	68	100	150	220
Kinematic Viscosity at 100°C, mm <sup>2</sup> /s, ASTM D445	5.4	8.5	11.1	14.6	18.5
Viscosity Index, ASTM D2270	102	105	102	100	100
Flash Point(COC), °C, ASTM D92	204	210	220	230	240
Pour Point, °C, ASTM D97	-36	-33	-30	-27	-24

\*C & B: Clear & Bright

**Note:** The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice. For additional queries, please contact Emirates 1 Technical Service Department.

**Health and Safety:** Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS). Safety Data Sheets available on request.

**Available in:** Cartons: 12x 1 L, 24x1 L, 4x5L 6 x 4 L, 6 x 5 L, Pails: 20 L & 25 L, Drums: 200 L, 208 L