



Rock Drill Oil

Conoco Rock Drill Oil is an adhesive, extreme-pressure lubricant specially developed for the lubrication of air-powered tools such as rock drills, jackhammers, pavement breakers and drifters. It also may be used for the lubrication of machine tool slideways.

Rock Drill Oil is available in seven viscosity grades, ISO 32 through ISO 320, to cover a wide range of applications and operating temperatures. It is formulated with high-quality paraffinic base oils and select additives tailored to provide maximum protection for pneumatic percussion tools. It has high load-carrying capacity to protect against wear and seizure of sliding metal surfaces under heavy or shock-load conditions. It has good adhesiveness to metal surfaces in the presence of moisture, and contains inhibitors to protect against rust and corrosion. It has good oxidation resistance and thermal stability at high temperatures for long service life.

Applications

Rock Drill Oil is recommended for use in pneumatic equipment manufactured by leading OEMs, including Chicago Pneumatic, Gardner-Denver, Ingersoll-Rand and Joy. Typical applications include:

- Drifters
- Jackhammers
- Pavement breakers
- Rock drills
- Stoppers

Rock Drill Oil also is recommended for the lubrication of slideways on machine tools such as boring machines, grinders, milling machines and planers.

Rock Drill Oil meets the performance requirements of:

- Gardner-Denver Rock Drill Oil
- Ingersoll-Rand Rock Drill Oil

Features/Benefits

- Excellent extreme-pressure properties
- Protects against wear and seizure

**Extreme-Pressure
Air Tool Lubricant**

**U.S. Technical
Services Hot Line:
1-800-255-9556**

**U.S. Customer
Service:
1-800-640-1956**

**International:
+1-832-486-3363**

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- Good adhesiveness to metal surfaces in the presence of moisture
- Good oxidation resistance and thermal stability
- Protects against rust and corrosion
- Low odor
- Good foam resistance
- Seven viscosity grades for use over a wide range of temperatures

Rock Drill Oil

Typical Properties

ISO Grade	32	46	68	100	150	220	320
Density, g/cm ³ @ 15.6°C (60°F)	0.861	0.866	0.872	0.880	0.891	0.897	0.903
Density, lbs/gal @ 15.6°C (60°F)	7.17	7.21	7.26	7.33	7.42	7.47	7.52
Color, ASTM D1500	1.0	1.0	3.0	3.5	4.5	5.0	5.5
Flash Point (COC),							
°C	199	215	220	220	227	235	250
°F	390	419	428	428	441	455	482
Pour Point,							
°C	-37	-37	-25	-25	-21	-16	-14
°F	-35	-35	-13	-13	-6	3	7
Viscosity,							
cSt @ 40°C	32.0	46.0	70.0	102	160	230	323
cSt @ 100°C	5.6	7.1	9.3	12.3	16.0	20.2	25.2
SUS @ 100°F	165	237	362	529	839	1,214	1,716
SUS @ 210°F	45.0	50.0	57.7	68.8	83.9	102	125
Viscosity Index	116	110	109	113	103	101	101
Falex EP Load, ASTM D3233, lbf	2,250	2,250	2,250	2,250	2,250	2,250	2,250
Foam Test, ASTM D892	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Rust Test, ASTM D665 A	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Timken OK Load, ASTM D2782, lb	60	60	60	60	60	60	60

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

Due to continual product research and development, the information contained herein is subject to change without notification.

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