



Rock Drill Oil 100

Pneumatic Drill Oil

Rock Drill Oils are formulated specifically for the lubrication of pneumatic tools such as rock drills, percussion drills, pavement breakers and jackhammers. They contain special extreme pressure and tackiness additives that increase film strength, guard against wear in adverse conditions and keep the lubricant from being “pounded” out during severe operations.

Rock Drill Oils also contain a special agent that displaces water from the metal surfaces so that the metal continues to be fully coated by corrosion resistant oil. They are also suitable for the lubrication of pistons and packings of water injection pumps.

Product Features:

- Formulated for extreme pressure
- Increased wear protection
- Excellent protection against rust and corrosion

Customer Benefits:

- Controls Valve Recession
- Superior oxidation stability
- Extends life of equipment by protecting against corrosion and wear

Applications:

- **Royal Rock Drill Oils** can be used to lubricate rock drills, percussion drills, pavement breakers, jackhammers, drifters as well as other related applications.



Typical Properties

Rock Drill Oils

Product Number	649	654	613A	614B	612A	611	Test Method
ISO Grade	1000	320	100	150	68	46	-
API	23.14	27.55	27.47	26.66	30.15	30.32	-
Specific Gravity	0.9151	0.8897	0.890	0.895	0.8754	0.8744	ASTM D4052
Lbs./Gal	7.621	7.409	7.413	7.45	7.290	7.282	-
Density	0.9146	0.8892	0.856	0.894	0.8749	0.8739	-
Flash Point °C	289	277	255	264	256	248	ASTM D92
Pour Point °C	-9	-12	-21	-18	-27	-21	ASTM D97
Color	<6.5	<3.0	<2.0	<2.0	<1.5	<1.0	ASTM D1500
Viscosity@40°C cSt	1002	290.6	99.64	150.30	62.85	65.44	ASTM D445
Viscosity@100° C cSt	45.51	23.35	11.21	14.54	8.48	8.41	ASTM D445
Viscosity Index (VI)	85	100	98	95	106	97	ASTM D2270

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

Health and Safety:

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Safety Data Sheet (SDS) found on our website. www.royalmfg.com or call (918)-584-2671.

Packaging options:



55 Gal. Drums



275/330 Gal. Totes



Bulk