

## PRODUCT DATA SHEET

### **Rock Drill Oils** **Extreme Pressure**



#### **PRODUCT DESCRIPTION:**

**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.

#### **KEY FEATURES:**

- Formulated for extreme pressure applications
- Increased wear protection

#### **CUSTOMER BENEFITS:**

- Controls Valve Recession
- Superior oxidation stability

#### **APPLICATIONS:**

Rock drills, percussion drills, Pavement breakers and jackhammers

#### **PACKAGING:**

Totes and Drums

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## Rock Drill Oils Extreme Pressure



### Typical Properties

Rock Drill Oils					
Product Number	649	654	613A	614A	Test Method
ISO Grade	1000	320	100	150	
API	23.14	27.55	27.47	26.66	
Specific Gravity	0.91506	0.88965	0.890	0.895	ASTM D4052
Lbs/Gal	7.621	7.409	7.413	7.45	
Density	0.91455	0.88915	0.856	0.894	
Flash Point °C	289	277	255	264	ASTM D92
Pour Point °C	-9	-12	-21	-18	ASTM D97
Color	<6.5	<3.0	<2.0	<2.0	ASTM D1500
Viscosity@40°C cSt	1002	290.6	99.64	150.3	ASTM D445
Viscosity@100°C cSt	45.51	23.35	11.21	14.54	ASTM D445
Viscosity Index (VI)	85	100	98	95	ASTM D2270

Typical Properties are typical of those obtained with normal production tolerance and do not constitute essentially a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

### Health and Safety:

When used for its intended application, this product is not expected to have any adverse health implications. For complete information on safe handling, as well as physical and chemical characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website, [www.royalmfg.com](http://www.royalmfg.com), or call 918-584-2671. Do not use this product for purposes other than its intended use. Please be responsible to the environment when disposing of used product.