

# Rock Drill



## Product Description

D-A **Rock Drill Oil** is specially designed for use in extreme working conditions with percussive pneumatic tools, down-the-hole (DTH), and surface drilling equipment. This lubricant begins with naturally high viscosity index base oils for temperature shear stability and is formulated with our advanced **ChemGuard™** additive technology.

The D-A **ChemGuard™** innovative formula has a vigorous EP/anti-wear inhibitor that reduces welding or scoring when under constant shock and high load situations. It protects against rust and corrosion and also has a built-in emulsifier for severe circumstances where water and compressed air co-exist. A robust tackifier is added for the preferred adhesiveness that protects against undesired misting or when water spray is present and sustains its strength where superior lubricity is expected.

D-A **Rock Drill Oil** may also be utilized in Mining and Tunneling, Jack-Hammers, Paving Breakers, Chippers, Tampers, Scalers, Impacters, Roofbolters, Screamer Pumps and Water Injection Plunger Pumps.

## Product Features and Benefits

- Excellent temperature and shear stability
- Robust tackifier, adheres to metals for decreased galling, shanking or burning of parts
- Exceptional emulsifying agent for enhanced lubricity
- Utilizes **ChemGuard™** EP/anti-wear additive package to help reduce wear

## Typical Applications

Air Line lubrication for all Rock Drills. (Also makes an excellent airline oil for pneumatic tools such as Paving Breakers, Hammers, Chippers, Tampers, Scalers, Impacters, etc.) Rock Drill is also an excellent bar oil for chain saws.

### General Remarks:

In extremely cold weather, consult the manufacturer's operating or service manual.

## Typical Properties

ISO Viscosity Grade	Test Method	46	68	100	150	220	320
Viscosity @ 100°C, cSt @ 40°C, cSt	ASTM D445	7.30	9.10	11.63	15.14	19.44	24.75
	ASTM D445	46.65	68.13	100.3	150.3	220.4	320.3
Viscosity Index	ASTM D2270	118	109	104	101	100	99
Pour Point, °F (°C)	ASTM D97	-31 (-35)	-31 (-35)	-22 (-30)	-13 (-25)	5 (-15)	5 (-15)
Flash Point, °F (°C)	ASTM D92	420 (216)	425 (218)	435 (224)	445 (229)	455 (235)	465 (241)
Density, lb/gal	Calculated	7.20	7.27	7.35	7.42	7.46	7.53
Copper Strip Corrosion	ASTM D130	1b	1b	1b	1b	1b	1b
Foam Test	ASTM D892	Pass	Pass	Pass	Pass	Pass	Pass
Rust Test	ASTM D665A	Pass	Pass	Pass	Pass	Pass	Pass
4 Ball EP Load, Kgf	ASTM D2783	250	250	250	250	250	250

### **D-A Part Number:**

Bulk	N/A	N/A	N/A	14541	14551	N/A
Tote – 330 Gal	N/A	N/A	N/A	N/A	N/A	14563
Drum – 55 Gal	N/A	N/A	14532	N/A	N/A	N/A
Pail (Plastic) – 5 Gal	14518	14528	14538	14548	14538	14568