



CITGO ROCK DRILL OILS

Date 1/09

**DESCRIPTION:** CITGO Rock Drill Oils are premium lubricants designed for the protection of pneumatic equipment subjected to excessive moisture or water spray.

**QUALITIES:** The following features of CITGO Rock Drill Oils work to ensure outstanding equipment protection:

- Excellent metal wetting (preferential to water) and extra adhesiveness for more effective lubrication.
- Full Extreme Pressure (EP) wear protection, optimized with emulsification properties, guards against wear in high moisture conditions.
- Rust and corrosion protection.
- Antifoam, high viscosity index, low pour point and excellent stability enhance lubrication of pneumatic equipment over a wide range of conditions.

**APPLICATIONS:** CITGO Rock Drill Oils are recommended for and meet the general requirements of major manufacturers of rock drills, jack hammers, and other types of pneumatic percussion equipment manufactured by Ingersoll-Rand, Gardner-Denver, Mincon, and others.

**TYPICAL PROPERTIES:**

**CITGO ROCK DRILL OILS**

Material Code	633212001	633214001	633216001	633217001	633218001
ISO Grade	46	100	220	320	460
Gravity, ASTM D 4052, °API	30.5	28.1	27.4	26.4	26.2
Density, lb/gal at 60°F	7.27	7.38	7.42	7.46	7.47
Flash Point, ASTM D 92, °F (°C)	410 (210)	464 (240)	482 (250)	504 (262)	507 (264)
Viscosity, cSt at 40°C	46	102	223	328	469
cSt at 100°C	7.55	12.1	20.4	26.4	33.4
SUS at 100°F	235.4	526.8	1174	1738	2500
SUS at 210°F	51.4	67.9	103	130	163
Viscosity Index	130	109	106	105	105
Pour Point, ASTM D 97, °F (°C)	-17 (-27)	-11 (-24)	5 (-15)	10 (-12)	10 (-12)
Copper Corrosion, ASTM D 130	1A	1A	1A	1A	1A
Timken EP Test, ASTM D 2782, lbs.	>65	>65	>65	>65	>65
Falex Load Test, ASTM D 3233, ft-lbs.	>2000	>2000	>2000	>2000	>2000
Steam Emulsion Number, seconds	>1200	>1200	>1200	>1200	>1200