



CITGO ROCK DRILL OILS

Date 01/10

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	31.7	28.4	27.4	26.4	26.2
Density, lb/gal at 60°F	7.22	7.36	7.42	7.46	7.47
Flash Point, ASTM D 92, °F (°C)	410 (210)	486 (252)	482 (250)	504 (262)	507 (264)
Viscosity, cSt at 40°C	47.5	103	231	328	472
cSt at 100°C	7.7	12.1	20.4	26.4	33.4
Viscosity Index	136	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