



CHAMPION SUPER GRADE ROCK DRILL LUBRICANTS

CHAMPION SUPER GRADE PREMIUM ROCK DRILL LUBRICANTS are formulated to meet critical demands of percussion rock drills. Excellent extreme pressure performance provides protection for the rock drill piston, rifle bar and nut against the heavy shock loads typical of rock drill service. Provides excellent anti-sling film layer that clings to lubricated parts and resists water washout from compressed air and surrounding mist. Antirust corrosion chemistry protects critical parts from wet environments. Meets the performance requirements of many rock drill manufacturers, such as Ingersoll-Rand, Gardner-Denver, Sullivan, etc. and provide assurance of meeting OEM warranty and service requirements.

Performance Benefits

- **Low Stick-Slip Values for Smooth Operation** - Very low stick-slip values provide excellent frictional characteristics for smoother operation and accurate work, even under heavy loads. Decrease piston sticking and resistance maximizing energy efficiency.
- **Good Anti-Wear Properties for Greater Protection of the Ways and Guides** – Contains no chlorinated additives minimizing environmental and disposal considerations and impart premium load carrying and anti-wear properties preventing cylinder scoring.
- **Low Odor Characteristics** – These extra tacky lubricants are perfect for rock drills used in mining environments where ventilation is limited due to the low odor and toxicity of these lubricants.

TYPICAL SPECIFICATION

| | ROCK DRILL OILS | | | |
|---------------------|-----------------|--------------|--------------|--------------|
| | 68 | 100 | 150 | 220 |
| ISO Grade | 68 | 100 | 150 | 220 |
| Product Code | 4249 | 4250 | 4248 | 4251 |
| MSDS # | 900 | 900 | 900 | 900 |
| Gravity API @ 60° F | 29 | 29 | 27.5 | 22.9 |
| cSt @ 40°C | 68 | 100 | 150 | 220 |
| cSt @ 100°C | 8.9 | 11.1 | 13.4 | 16 |
| Viscosity Index | 100 | 96 | 80 | 66 |
| Pour Point °F | -20 | -15 | -20 | -10 |
| Flash Point °F | 400 | 440 | 415 | 430 |
| Appearance | Brown &Tacky | Brown &Tacky | Brown &Tacky | Brown &Tacky |

Effective 04/13