



Ecoterra™ Rock Drill Fluid

Conoco Ecoterra™ Rock Drill Fluid is a high-quality, extreme-pressure lubricant specifically recommended for lubricating percussion rock drills commonly used in surface and underground mining operations.

Ecoterra™ Rock Drill Fluid is available in one viscosity grade: ISO 320. It is specially formulated with high viscosity-index paraffinic base fluids and select non-chlorinated ashless additives to reduce environmental impact from waste oil disposal and leaks and stray mist.

The additives in Ecoterra™ Rock Drill Fluid resist oxidation and water washout in the presence of compressed air, provide improved tackiness for working surfaces, minimize wear, and prevent rust and corrosion on steel parts without being aggressive to copper alloys.

Ecoterra™ Rock Drill Fluid provides better lubrication for critical moving parts, resulting in less wear and extended equipment service life.

Applications

Ecoterra™ Rock Drill Fluid is recommended for use in other pneumatic equipment such as high- and low-speed drills, jackhammers, paving breakers, and self-propelled or track type air drills, where the manufacturer recommends an ISO 320 viscosity rock drill fluid.

Outstanding Features

- Reduced environmental impact
- Non-chlorinated, ashless additive
- Extreme pressure properties to protect equipment
- Tackiness for good adhesion to working surfaces
- Good atomization in the presence of compressed air
- Low-fogging tendency
- Excellent rust and corrosion protection
- Excellent oxidation stability

**Reduced
Environmental
Impact, Extreme
Pressure Lubricant
For Down Hole And
Surface Rock Drills**

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**Ecoterra™ Rock Drill Fluid
Typical Properties**

| Test Method | | |
|----------------------------------|-------|------------|
| ISO Grade | | 320 |
| Gravity, °API, | D287 | 27.5 |
| Specific Gravity @ 60°F (15.6°C) | | 0.890 |
| Density, lb/gal | | 7.42 |
| Flash Point, | D92 | |
| °F | | 464 |
| °C | | 240 |
| Pour Point, | D97 | |
| °F | | +5 |
| °C | | -15 |
| Viscosity, | D445 | |
| cSt @ 40°C | | 320 |
| cSt @ 100°C | | 24.3 |
| SUS @ 100°F | | 1703 |
| SUS @ 210°F | | 121 |
| Viscosity Index | D2270 | 97 |
| Consistency | | Stringy |
| Four-Ball Wear, mm | D2266 | 0.45 |
| Timken OK Load, lb | D2782 | 50 |
| ASTM Color | D1500 | 5.0 |

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