

Gentool Series

Pneumatic Rock Drill Lubricants

Description

The Gentool Series oils are available in three viscosity grades, allowing for selection of the proper viscosity based on various face temperatures encountered in the lubrication of pneumatically operated rock drills in underground and surface mining operations. Gentool Series oils contain additives that effectively control emulsions, provide preferential metal wetting properties, as well as providing outstanding anti-wear, rust and corrosion protection, resistance to dieseling, fog control and adhesiveness. The additives have been carefully selected to keep fog generation at an extremely low level and are both non-toxic and non-irritating whilst having a bland, unobjectionable odour.

Application

The Gentool Series oils are recommended for use in pneumatic rock drills in both underground and surface mining and are suitable for both percussive and rotary type tools. Gentool Series oils have low pour points that effectively prevent tool stoppage caused by icing. The excellent fog control of the Gentool Series makes these oils ideal for use when working in mines and enclosed spaces. Gentool 100 is ideal for use in mines because of its anti-fog characteristics and severe duty applications at medium temperatures. Gentool 150 is recommended for severe duty at high temperatures. Gentool 320 is intended for severe duty operations in open pit mines, quarries and contractor applications except in winter where a lower viscosity grade oil may be more suitable.

Performance Level

AFNOR NFE 48-690/1 (Dry & Wet); AFNOR NFE 48-603; ISO 11158 HV; GM LS-2; Eaton 03-401-2010 (supersedes Vickers I-286-S & M-2950-S); DIN 51524 Part III; Sauer Danfoss 520L0463; US Steel 126, 127 and 136; JCMAS HK; Parker Denison HF0/HF1/HF2; MAG IAS (Cincinnati Milacron) P-68/P-69/P-70

Benefits

- Prevents tool stoppage due to icing
- No detonation or dieseling; minimum carbon deposits
- Superior protection against wear and effective lubrication in the presence of water
- Excellent fog control
- Non-toxic at concentrations much higher than the allowable threshold limit for mineral oil fogs

Typical Physical Characteristics

| Gentool | 100 | 150 | 320 |
|-------------------------|------|------|------|
| Viscosity, cSt @ 40 °C | 95 | 143 | 320 |
| Viscosity, cSt @ 100 °C | 11,6 | 15,2 | 24.2 |
| Viscosity Index, min. | 108 | 106 | 90 |
| Pour Point, °C, max. | -24 | -21 | -18 |
| Flash Point, °C, min. | 199 | 204 | 232 |
| ASTM Rust Test | Pass | Pass | Pass |

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Due to continual product research and development, the information contained herein is subject to change without notification. Refer to the Material Safety Data Sheet (MSDS) for information on the safe handling and use of this product.

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