

LSA BIOFLUID RD320

**Heavy-duty Readily Biodegradable
Rock Drill Lubricant.**

DESCRIPTION

LSA Biofluid RD320 is a specially formulated bio-degradable oil to lubricate the rotation gears on hydraulically powered machines, pneumatic percussion rock drills, jackhammers and drifter drills.

LSA Biofluid RD320 has excellent thermal and oxidation stability properties which reduces operating temperatures to ensure superior service with minimal impact on the environment.

It has extreme pressure, anti-rust, anti-wear and anti-fogging additives to provide high film strength to lubricate all moving surfaces.

LSA Biofluid RD320 contains additives designed to substantially reduce failure of drill bits due to the impact of humidity and high operating pressures causing seizure.

BENEFITS

- Increased tool life over conventional lubricants.
- Superior adhesion due to tacky additives with greater resistance to washing action of water than conventional products.
- Increased drilling penetration due to efficient lubrication.
- Reduced downtime in changing drill bits.
- Reduces failure of drill bits in deep mining operations due to sudden expansion of compressed air mixed with atmospheric moisture at the bit end, eliminating the “freezing” effect.
- Excellent extreme pressure lubrication – provides wear protection to moving parts under extremes of temperature and pressure.

- High operating viscosity – retains viscosity at high temperatures, ensuring effective sealing and optimum performance of the hammer.

FEATURES

- Bio-degradable
- High flash point
- High Timken load
- Ashless, good tackiness and low odour
- Good corrosion protection
- Reduced friction and heat

TYPICAL CHARACTERISTICS

| Property | Method | Biofluid RD320 |
|---------------------------------|---------------|----------------|
| ISO grade | | 320 |
| Specific Gravity @ 15°C kg/ltr | | 0.93 |
| Odour | | Low |
| Flash Point °C | ASTM D92 | >260 |
| Pour Point °C | ASTM D97 | -18 |
| Viscosity at 40°C - Typical cSt | ASTM D445 | 320 |
| Viscosity Index Typical | ASTM D2270 | 210 |
| Timken OK Load Kg | | >27 |
| Rust Test A & B | ASTM D1743 | Pass |
| Copper Corrosion | ASTM D4048 | 1A |
| Biodegradability % | CEC-L-33-A-94 | >90 |
| Tackifier | | Yes |
| Falex EP Fail Load | | 3500 |

Pack Sizes 1040 litre 205 litre 20 litre