

DESCRIPTION

BioLube RDP is a readily biodegradable, heavy-duty rock drill lubricant designed to meet the requirements of pneumatic tools, down-hole and surface drilling equipment. It is formulated with high viscosity index natural ester base oil, anti-wear additives, and corrosion protection. The high viscosity index provides superior lubrication in a working hammer.

BioLube RDP's natural polarity and tackiness allows the lubricant to adhere to tooling surfaces further reducing corrosion and wear in the presence of compressed air.

FEATURES & BENEFITS

- High viscosity index to help maintain resistance to flow at higher operational temperatures
- Powerful polarity (or stickiness) to the tool surface protecting against wear and corrosion
- Strong anti-wear additives to protect the equipment
- Five ISO grades to keep you operational in a large temperature range
- Foam resistant

SUITABLE USES

- Pneumatic "hammer" equipment such as rock drills, jackhammers, and pavement breakers
- Chipping hammers, demolition hammers and drifters used in mining
- Enclosed industrial gearboxes where leakage is a problem and oil must be continually added
- Pile drivers
- Riveters
- Oil and gas drilling
- Water well drilling
- Geotechnical drilling
- Geothermal drilling
- Mining drills

COMPATABILITY

- Compatibility for intended equipment
- Lubricant compatible with most other types of lubricants (for specific applications and lubricants please contact your BioBlend representative)

- No known paint compatibility issues

APPLICATION / TECHNICAL SUPPORT

- Follow recommendations provided in your equipment owner's manual
- Follow your organization's best practices for preparation, cleaning, conversion, application, and ongoing maintenance practices
- **Technical Support** - If you have further questions, please fill out contact form on **bioblend.com** and one of our team will contact you to review your question(s)

APPROVALS / CERTIFICATIONS

- eSyn Certified
- Classified as environmentally acceptable lubricants (EAL's) as per EPA standards for biodegradability, toxicity and bioaccumulation in aquatic environments.

PACKAGE SIZES

- 5 Gallon Pails
- 55 Gallon Drums
- 275 Gallon Totes

SHELF LIFE

Storage - Keep in a cool, dry and well-ventilated place. Store in a properly labelled, original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. To help maintain product quality, do not store in heat or direct sunlight.

Shelf Life - Product shelf life is 24 months from date of packaging. In some cases, the product can last longer, please contact your BioBlend representative for proper testing and confirmation instructions.

CAUTIONS

Ensure adequate ventilation. Do not breathe vapor/dust. Use personal protective equipment and avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. See the safety data sheet (SDS) for emergency, proper handling, and disposal information.

AVAILABILITY

Worldwide

TYPICAL PROPERTIES

| Technical Properties | Test Method | RDP 40 | RDP 100 | RDP 150 | RDP 220 | RDP 320 | RDP 460 |
|---|-------------|------------|------------|------------|------------|------------|------------|
| Product Code | | BLRDP40 | BLRDP100 | BLRDP150 | BLRDP220 | BLRDP320 | BLRDP460 |
| ISO Grade | | 40 | 100 | 150 | 220 | 320 | 460 |
| Specific Gravity | ASTM D1298 | 0.91 | 0.91 | 0.91 | 0.92 | 0.92 | .92 |
| Viscosity @40°C, cSt | ASTM D445 | 40 | 100 | 150 | 220 | 320 | 450 |
| Viscosity @100°C, cSt | ASTM D445 | 8.5 | 18 | 25 | 33 | 45 | 57 |
| Viscosity Index (VI) | ASTM D2270 | >200 | >220 | >220 | >220 | >220 | >200 |
| Pour Point °F (°C) | ASTM D97 | -5 (-21) | -0.4 (-18) | -0.4 (-18) | -0.4 (-18) | -0.4 (-18) | -0.4 (-18) |
| Flash Point °F (°C) | ASTM D92 | >600 (316) | >600 (316) | >600 (316) | >600 (316) | >600 (316) | >600 (316) |
| Performance Properties | | | | | | | |
| Timken OK Load, lbs | ASTM D2509 | >60 | >60 | >60 | >60 | >60 | >60 |
| Falex EP Fail Load | ASTM D3233 | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 |
| Copper Corrosion | ASTM D4048 | 1A | 1A | 1A | 1A | 1A | 1A |
| Rust Test, A & B | ASTM D665 | Pass | Pass | Pass | Pass | Pass | Pass |
| Readily Biodegradable (meaning>60%) | | Pass | Pass | Pass | Pass | Pass | Pass |
| Biodegradability | OECD 301B | >75 | >75 | >75 | >75 | >75 | >75 |
| Not Bioaccumulative, (Calculated value as per EPA standard) | | Pass | Pass | Pass | Pass | Pass | Pass |
| Toxicity (meaning LC50> 1000 mg/L) | | Pass | Pass | Pass | Pass | Pass | Pass |
| Tackifier | | Yes | Yes | Yes | Yes | Yes | Yes |

The values quoted above are typical of normal production. They do not constitute a specification.

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APPROVALS / CERTIFICATIONS LOGOS

