

PRODUCT NAME

BioLube RDP – Biodegradable Pneumatic Rock Drill / Hammer Oil

MANUFACTURER

BioBlend Renewable Resources, LLC.
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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. Available in ISO grades 40, 100, 150, 220 and 320.

FEATURES AND 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

PACKAGING

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

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

- Geothermal drilling
- Mining drills

COMPATIBILITY

Equipment Compatibility

- Field tested and proven high performance in Atlas Copco, Halco, NUMA, and many others.

Lubricant Compatibility

- Compatible with most other types of lubricants- for specific applications and lubricants please contact your BioBlend representative.

Seal & Paint Compatibility

- No known seal or paint compatibility issues

STORAGE AND 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 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.

APPLICATION

- Follow recommendations provided in your equipment's owner's manual
- Follow your organization's manuals and/or best practices for preparation, cleaning, conversion, application and ongoing maintenance practices
- If you have further questions, please contact BioBlend Tech Services by filling out the contact us form on [bioblend.com](https://www.bioblend.com)

AVAILABILITY

Worldwide

TECHNICAL SERVICES

For additional information including safety data sheet (SDS), frequently asked questions, and glossary please visit bioblend.com.

APPROVALS AND CERTIFICATIONS

- Classified as Environmentally Acceptable Lubricants (EAL's) as per per EPA standards for biodegradability, toxicity and bioaccumulation in aquatic environments.

TYPICAL PROPERTIES

Property	ASTM Test Method	RDP 40	RDP 100	RDP 150	RDP 220	RDP 320
Product Code		BL8103040	BL8104100	BL8104150	BL8104220	BL8104320
ISO Grade		40	100	150	220	320
Specific Gravity	ASTM D1298	0.91	0.91	0.91	0.92	0.92
Viscosity @40°C, cSt	ASTM D445	40	100	150	220	320
Viscosity @100°C, cSt	ASTM D445	8.5	18	25	33	45
Viscosity Index (VI)	ASTM D2270	>200	>220	>220	>220	>220
Pour Point °F (°C)	ASTM D97	-5 (-21)	-30 (-34)	-30 (-34)	-30 (-34)	-30 (-34)
Flash Point °F (°C)	ASTM D92	>600 (316)	>600 (316)	>600 (316)	>600 (316)	>600 (316)
Timken OK Load, lbs	ASTM D2509	>60	>60	>60	>60	>60
Falex EP Fail Load	ASTM D3233	3500	3500	3500	3500	3500
Copper Corrosion	ASTM D4048	1A	1A	1A	1A	1A
Rust Test, A & B	ASTM D665	Pass	Pass	Pass	Pass	Pass
Readily Biodegradable (meaning>60%)		Pass	Pass	Pass	Pass	Pass
Biodegradability	OECD 301B	>75	>75	>75	>75	>75
Not Bioaccumulative, (Calculated value as per EPA standard)		Pass	Pass	Pass	Pass	Pass
Toxicity (meaning LC50> 1000 mg/L)		Pass	Pass	Pass	Pass	Pass
Tackifier		Yes	Yes	Yes	Yes	Yes

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

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