

PRODUCT NAME

BioLube RDP E – Biodegradable, Synthetic Blend, Pneumatic Rock Drill Oil

MANUFACTURER

BioBlend Renewable Resources, LLC.
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DESCRIPTION

RDP E 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 oils, synthetic esters, anti-wear additives, and corrosion protection. The high viscosity index provides superior lubrication in a working hammer. The natural polarity and tackiness of BioLube RDP E allows the lubricant to adhere to tooling surfaces, further reducing corrosion and wear in the presence of compressed air. This product is ideally formulated for underground mining.

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
- Readily biodegradable for safer use in the environment
- Multiple ISO grades to keep you operational in a large temperature range
- Low odor
- Foam resistance
- Synthetic Blend for increased performance capability across a wider temperature range and in wet environments

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 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**

AVAILABILITY

Worldwide

TECHNICAL SERVICES

For additional information including the 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 EPA standards for biodegradability, toxicity and bioaccumulation in aquatic environments.

TYPICAL PROPERTIES

Property	Test Method	RDP E 100	RDP E 150	RDP E 220
Product Code		BL8104100E	BL8104150E	BL8104220E
ISO Grade		100	150	220
Specific Gravity		.91	.91	.92
Viscosity @ 40°C cS	D445	100	150	220
Viscosity @ 100°C cS	D445	18	25	33
Viscosity Index (VI)	D2270	>220	>220	>220
Pour Point °F (°C)	D97	-30 (-34)	-25 (-32)	-20 (-29)
Flash Point °F (°C)	D92	>600 (315)	>600 (315)	>600 (315)
Timken OK Load	D2509	>60lbs	>60lbs	>60lbs
Falex EP Fail Load	D3233	3500	3500	3500
Copper Corrosion	D4048	1A	1A	1A
Rust Test A&B	D665	PASS	PASS	PASS
Biodegradable % (meaning >60%)	OECD 301B	PASS	PASS	PASS
Tackifier		YES	YES	YES

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

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