

## Overview ▶

RDP-E are readily biodegradable, heavy duty rock drill lubricants designed to meet the requirements of pneumatic tools, down-hole and surface drilling equipment. They are 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. Ideally formulated for underground mining.



BioLube RDP E is formulated utilizing our proprietary **eSyn™** technology and is available in ISO grades 100, 150, and 220.

## 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)	-30 (-34)	-30 (-34)
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

## Key Attributes / Approvals ▼



- Field proven in the most popular drilling equipment: Atlas Copco, Halco, NUMA, and many others.
- To be used in down the hole drilling applications within a variety of industries: oil and gas drilling, mining, water well drilling, geothermal drilling, pile driving, construction, etc.
- Use in equipment where a release into the environment is possible.
- Classified as Environmentally Acceptable Lubricants (EAL's) as per the EPA's guidance document that defines standards for Environmentally Acceptable Lubricants (EPA 800-R-11-002) and as required by EPA's 2013 U.S. Vessel General Permit (VGP)

See the Safety Data Sheet (SDS) for emergency, proper handling and disposal information. Rev. BLRDPE06082020