

BIO LUBE RD/RDP



Overview: BioLube RD/RDP 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 vegetable base oil, anti wear additives, and corrosion protection. The high viscosity index provides superior lubrication in a working hammer. BioLube RD/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, 46, 100, 150, 220 and 320.

Specifications, Approvals, Recommendations:

- Field proven in the most popular drilling equipment: Atlas Copco, Halco, NUMA, and many others.

Physical Properties	RD ⁴⁰	RDP ⁴⁶	RDP ¹⁰⁰	RDP ¹⁵⁰	RDP ²²⁰	RDP ³²⁰
ISO Grade	40	46	100	150	220	320
Specific Gravity	.91	.91	.91	.91	.92	.92
Viscosity, ASTM D445 @40°C, cS	40	46	100	150	220	320
Viscosity, ASTM D445 @100°C, cS	8.5	10	18	25	33	45
Viscosity Index (VI), ASTM D2270	>200	>220	>220	>220	>220	>220
Pour Point, ASTM D97, °F (°C)	-5 (-21)	-20 (-29)	-30 (-34)	-30 (-34)	-30 (-34)	-30 (-34)
Flash Point, ASTM D92, °F (°C)	>600 (316)	>600 (315)	>600 (315)	>600 (315)	>600 (315)	>600 (315)
Timken OK Load, ASTM D2509	>60lbs	>60lbs	>60lbs	>60lbs	>60lbs	>60lbs
Falex EP Fail Load, ASTM D3233	3500	3500	3500	3500	3500	3500
Copper Corrosion, ASTM D4048	1A	1A	1A	1A	1A	1A
Rust Test, ASTM D665, A & B	PASS	PASS	PASS	PASS	PASS	PASS
Readily Biodegradable (meaning>60%) OECD 301B, %	PASS >75	PASS >75	PASS >75	PASS >75	PASS >75	PASS >75
Tackifier	YES	YES	YES	YES	YES	YES

Applications & Industries: 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, where the authorities have mandated the usage of an EAL, or where a leak or spill could reach a waste stream.