

DESCRIPTION

BioLube PPL is a readily biodegradable lubricant for the plunger packing in positive displacement reciprocating pumps, such as triplex and quintuplex pumps used in oil and gas hydraulic fracturing and cementing operations. It is formulated from renewable, bio-based resources and contains no mineral oil or toxic additives, thus reducing environmental impact associated with the handling and use of lubricants in these operations. Additionally, the blend of highly refined natural ester base oil and biobased polymer in BioLube PPL reduces friction compared to conventional mineral oil-based lubricants, which translates to less wear and extended packing life.

FEATURES & BENEFITS

- Helps ensure an effective seal between plunger and packing
- Excellent adhesion and resistant to wash-off
- Reduces friction and wear
- Readily biodegradable with minimal toxicity characteristics

SUITABLE USES

Plunger packing application in positive displacement reciprocating pumps, such as triplex and quintuplex pumps used in oil and gas hydraulic fracturing and cementing operations.

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 Gal Pails
- 55 Gal Drums
- 275 Gal totes

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.

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	ASTM Test Method	PPL 68	PPL 100
Product Code		BLPPL68	BLPPL100
ISO Grade		68	100
Specific Gravity	D-1298	0.91	0.91
Viscosity @40°C, cSt	D-445	68	100
Viscosity @100°C, cSt	D-445	11.2	18.1
Viscosity Index (VI)	D-2270	>200	>220
Performance Properties			
Pour Point °F (°C)	D-97	-25 (-32)	-30 (-34)
Flash Point °F (°C)	D-92	>600 (316)	>600 (315)
Timken OK Load, lbs.	D-2509	>60	>60
Falex EP Fail Load	D-3233	3500	3500
Copper Corrosion	D-4048	1A	1A
Readily Biodegradable (meaning>60%)	Pass	Pass	Pass
Biodegradability	OECD 301B	>75	>75

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

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APPROVALS / CERTIFICATIONS LOGOS

