Renewable Lubricants, Inc.
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BPL™ Food Grade Bio-Penetrating Lubricant™ NSF H1, H2

"Biobased Lubricants that Perform Like Synthetics"

A specially formulated, biodegradable biobased penetrant that can be used as a light lubricant in food processing equipment and is essentially odorless and tasteless. Because of the super high viscosity index of the Stabilized* HOBS, this product performs in many applications. BPL™'s patented composition of additives and base fluids provides a protective, thin film lubricant. This natural oily film has shown in laboratory and field tests to out perform petroleum base oils in terms of natural lubricity.

BPL™ Food Grade[1] is formulated to penetrate into close tolerant areas, then lubricate, and prevent corrosion. BPL™'s ability to creep is demonstrated by placing a $^{3}/_{8}$" x 2" bolt on its head with ¼" of BPL™ in the bottom of a lab beaker; BPL™ creeps vertically up the threads. It protects deep into the core of a cable or chain link and is excellent as a light air tool lubricant and preservative oil for parts. This Biobased product has exceptional benefits over petroleum oils in these applications because there is direct danger of polluting the water, soil, or work environment through loss of the lubricant. BPL™ contains no hazardous volatile organic compounds (VOCs). EPA, OHSA, and Workers Acceptance is high with Biobased Products.

Applications With Incidental Food Contact In and Around Food Processing Equipment Areas

- Military	- Industrial	- Transportation	- Marine	- Agricultural
	Tools	Gaskets/Seals	Bearings	Bolts
	Jacks	Assembly Parts	Wire ropes	Chains
	Dies	Machine Tools	Hinges	Shafts
	Locks	Linkage Cables	Air Valves	Air Tools

STABILIZED™ by Renewable Lubricants

NSF Registration: **140448 H1, H2**
140450 H1, H2 -Aerosol

Typical Data

Specific Gravity @60^{O}F.	ASTM D-287	.88
Viscosity @40^{O}C., cSt.	ASTM D-445	14
Flash Point, PMCC	ASTM D-93	295^{O}F (146^{O}C)
Pour Point	ASTM D-97	-25^{O}C
Copper Corrosion Prevention	ASTM D-130	1A
Rust Prevention	ASTM D-665	
Distilled Water		Pass-Clean
Synthetic Sea Water		Pass-Clean
Four Ball Wear	ASTM D-2266	.40 mm

STABILIZED by Renewable Lubricants* is RLI's trademark on their proprietary and patented technology. High Oleic Base Stock (HOBS) are agricultural vegetable oils. This Stabilized technology allows the HOBS to perform as a high performance formula in high and low temperature applications, reducing oil thickening and deposits.

[1] This product is acceptable as a lubricant with incidental food contact (H1) for use in and around food processing areas. Such compounds may be used on food processing equipment as a protective anti-rust film, as a release agent on gaskets or seals of tank closures, and as a lubricant for machine parts and equipment in locations in which there is a potential exposure of the lubricated part to food.

Patented Product: US Patent 6,383,992, US Patent 6,534,454, US Patent 6,624,124, US Patent 6,620,772 with additional Pending and Foreign Patents

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Availability	F.O.B. :Hartville, Ohio, USA	8oz. Spray	1 Gallon	5 Gallon Pails	Drums	Bulk
RLI Product Item #			87003	87004		