



# Renewable Lubricants, Inc.

Distributed By: DM's Bio-Based Fluid Supply Inc.  
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## **BPL™ Food Grade Bio-Penetrating Lubricant™**



## **H1, H2**

### ***"Bio-based Lubricants that Perform Like Synthetics"***

A specially formulated, biodegradable bio-based 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 outperform petroleum base oils in terms of natural lubricity.

BPL™ Food Grade<sup>1</sup> 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 1/4" 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 Bio-based 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 Bio-based 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



### **NSF Registration:**

**140448 H1, H2**  
**140450 H1, H2 -Aerosol**

### **Typical Data**

Specific Gravity @60°F.	ASTM D-287	.88
Viscosity @40°C., cSt.	ASTM D-445	14
Flash Point, PMCC	ASTM D-93	295°F (146°C)
Pour Point	ASTM D-97	-25°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.

<sup>1</sup> 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. :Bolton, ON, Canada    8oz. Spray    1 Gallon    5 Gallon Pails    Drums    Bulk**