Renewable Lubricants, Inc.
Distributed By: DM's Bio-Based Fluid Supply Inc.
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Bio-Mist™ EP Cutting Oil

STABILIZED™ by Renewable Lubricants

"Bio-based Lubricants that Perform Like Synthetics"

A heavy duty, ultimately biodegradable[1], vegetable based, mist EP cutting oil which provides excellent performance where misting is needed in a wide variety of machining operations on non-ferrous metals, tough ferrous alloys as well as mild steel and cast iron. These operations include: milling, drilling, turning, grinding, broaching, and thread cutting and tapping. Bio-Mist™ EP Cutting Oil does not contain active sulfur, chlorine, zinc, phosphorus, silicon, or heavy metals, and does not produce an abrasive odor and is non-staining. In addition, this oil is particularly useful for machining stainless and hard steel, such as Hastalloy and tool steels.

Performance is enhanced by use of the Stabilized HOBS's, natural ester composition, which provides cutting tool wetting and oiliness; combined with EP and antiwear agents. The super high viscosity index of the Stabilized™ HOBS adds additional cutting qualities to this high performance lubricant.

The advantages are many: bio-based, biodegradable, renewable, low toxicity, no hazardous volatile organic compounds (VOC), more fire resistant, safer, EPA and ISO 14000 compliant, reduces foreign oil, and helps secure the American Economy, OSHA and worker acceptance is high with bio-based oils.

Bio-Mist™ EP Cutting Oil is a ENVIRONMENTALLY RESPONSIBLE bio-based oil that is formulated from renewable agricultural plant resources. We believe Earth's environmental future rests in the use of renewable materials.

Typical Specifications

ISO Grade	32
Specific Gravity @60^{O}F.	0.90
VISCOSITIES:	
@100 ^{O}F SUS	145
@40^{O}C., cSt.	31.3
@100^{O}C., cSt.	7.3
Viscosity Index	211
Flash Point, COC,.	204 ^{O}C (400 ^{O}F)
Pour Point, ^{O}C.	-14
Copper Corrosion ASTM D-130	1-B
4-Ball EP ASTM D-2783	
Non-Seizure Load kg	126
Weld Load kg	800
Load Wear Index	152
Rust Prevention ASTM D-665	No Rust
Tapping Test	
304 Stainless Steel, % Efficiency	125
1020 HR Steel, % Efficiency	120
Falex EP Test, (Fail load lbs.)	4250

STABILIZED by Renewable Lubricants* is RLI's trademark on their proprietary and patented anti-oxidant, anti-wear, and cold flow 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] Ultimate Biodegradation (Pw1) within 28 days in ASTM D-5864 Aerobic Aquatic Biodegradation of Lubricants

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

* Trademark of Renewable Lubricants, Inc.

Availability F.O.B. :Bolton, ON, Canada 5 Gallon Pails Drums Bulk