



## Renewable Lubricants, Inc.

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### Bio-Drip™ Oils



### *"Biobased Lubricants that Perform Like Synthetics"*

Bio-Drip™ Oils are fully formulated ultimately biodegradable<sup>1</sup> vegetable based **high performance** turbine oils. Bio-Drip™ Oils are recommended for use in drip lubrication systems for water well line shaft bearings, irrigation systems, etc. Performance is enhanced by use of the Stabilized HOBS's natural composition, which provides an oily boundary film. The super high viscosity index of the Stabilized HOBS adds additional lubrication qualities to this high performance lubricant.

These products should always be used whenever there is a danger of soil or water pollution. The best applications for these products are in the agricultural, construction, forestry, mining and marine industries.

Bio-Drip™ Oils are ENVIRONMENTALLY RESPONSIBLE drip oils that are formulated from renewable agricultural plant resources. We believe Earth's environmental future rests in the use of renewable materials.

#### Typical Specifications

<u>SAE Grade</u>	<u>10W20</u>	<u>10W30</u>
ISO Grade	32	46
API Gravity @ 60°F.	24	24.1
Pounds/Gallon @ 60°F.	7.57	7.58
Specific Gravity @60°F.	.908	.91
VISCOSITIES:		
@100° C., cSt.	7	10
@40° C., cSt.	31	48
Brookfield, @-25° C., cP, (D-2983)	<3,000	3,000
MRV @ -35 ° C., (TP-1)	<30,000	30,000
Viscosity Index	198	202
Flash Point, COC, °C	225	278
Pour Point, °C	<-36	-36
Copper Corrosion Strip 3hr @ 100°C	1B	1B
4 Ball Wear, 1h, 167°F, 1200 RPM, 40kg	.36	.36
Demulsibility (D-1401)	40/40/0	40/40/0
Foam Sequence I, II, III (D-892)	0	0
Rust Prevention, (D-665)	Pass	Pass

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.

<sup>1</sup> 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 with additional Pending and Foreign Patents

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Availability F.O.B. :Hartville, Ohio, USA

5 Gallon Pails Drums Bulk