



## High Performance Renewable Lubricants

### **Bio- Hydraulic Fluid (Food Grade) ISO 46**

Bio-Hydraulic Fluid is a Food Grade<sup>1</sup>, biodegradable vegetable based formula that replaces mineral oil based hydraulic fluids for food processing equipment, and is essentially odorless and tasteless. Bio-FG Hydraulic is formulated to perform in hydraulic systems that require Anti-Wear, Anti-Rust, and Anti-Oxidation properties. Incorporating the super high viscosity index of the stabilized\* high oleic base stock into the formula, gives multi-grade synthetic base oil performance by boosting the viscosity index to synthetic levels. Bio-FG Hydraulic Fluid is designed to meet ISO grade viscosity requirements, and the multi-grade performance may allow one hydraulic fluid to replace two or more ISO grade products and reduce inventory.

The super high viscosity index of the high oleic base stock naturally improves the thermal shear stability of the formula and increases load capacity. The base stock's extremely low volatility also increases the flash and fire safety features in the formula. Bio-FG Hydraulic is an environmentally responsible product that is formulated from renewable agricultural plant resources. We believe Earth's environmental future rests in the use of renewable materials.

<sup>1</sup> Base oils and additives in this product are listed in 21 CFR 178.3570, Lubricants for incidental food contact (USDA H-1). Full compliance with other applicable restrictions of FDA, USDA, oil spill, and oil pollution prevention statutes is recommended.

\* This product is based on a proprietary and patented anti-oxidant, anti-wear, and cold flow technology. Base stocks are non-GMO agricultural vegetable oils. This stabilized technology provides high performance in high and low temperature applications, reducing oil thickening and deposits.

### **Pump Performance**

Vickers 35VQ 25 Pump (3000 psi, 2400 rpm, 93.3°C)	Pass
Vickers V-104C Pump (2000 psi, 1200 rpm, 79.4°C)	Pass

### **Typical Specifications**

VISCOSITIES: D-445	
@100° C., cSt.	8.6
@40° C., cSt.	39.2
Viscosity Index D-2270	206
Flash Point, COC° C. D-92	295
Acid Number D-974	1.2
Pour Point, COC ° C. D-97	-15
Copper Corrosion Strip	
3hr @ 100° C	1A
3hr @ 149° C	1A
4 Ball Wear, 1h, 167° F, 1200 RPM, 40kg D-2266	.50 (max.)
Demulsibility D-1401	Pass
Hydrolytic Stability, (D-2619)	Pass
Foam Sequence I, II, III (D-892)	Pass
Rust Prevention A&B, (D-665)	Pass

### **To Order**

Fax to 831-728-1753 or call 800-491-9473 for Customer Service  
Visit [www.wiserenewables.com](http://www.wiserenewables.com) or Email [sales@wiserenewables.com](mailto:sales@wiserenewables.com)

### **Available Size Container**

### **Quantity (min.)**

5 gal. <b>Pail</b>	55 gal. <b>Drum</b>	330 gal. <b>Tote</b>