

# SoyFluid™ Hydraulic Food Grade Biodegradable – Biobased Hydraulic Oil

**DESCRIPTION**

ELM SoyFluid™ Hydraulic Food Grade is a biodegradable hydraulic oil formulated with optimized USA-grown natural seed oil that surpasses the lubricity of most conventional oils. It is formulated in accordance with the criteria established by the USDA for H-1 lubricants and U.S. FDA Regulation 21 CFR 178.3570, “Lubricants With Incidental Food Contact.”

**APPLICATIONS**

- Specifically formulated to meet the demanding applications of major food and meat processing plants.
- Excellent for large or small cylinders, motors and hydraulic components. Ideal for general hydraulic near water or in environmentally sensitive applications.
- Wherever USDA H-1 Hydraulic Oils are specified

**BENEFITS**

- Superior lubricity promotes long equipment life
- Protects pumps, valves, cylinders and other components from wear.
- Protects all ferrous metal components from rust and corrosion.
- Biodegradable formula is mostly benign if released in environment
- Compatible with most hydraulic hoses and seals
- Has superior flash and fire points for increased safety
- Meets USDA’s proposed Biobased product definition for EO 13101
- Meets EPA’s Environmental Preferable Purchasing (EPP) criteria
- Made from renewable USA-grown crop-based oils
- Meets State of Iowa Senate File - SF 2185 and 2249

**PERFORMANCE LEVELS**

- Exceeds Oilgear® Continuous Piston Pump Durability Test
- Exceeds Oilgear® Cycling Test

**TYPICAL PROPERTIES**

ISO Viscosity Grade	32/46
Viscosity at 40°C (cSt)	38
Viscosity Index	223
Flash Point, °C (°F)	256 (493)
Pour Point, °C (°F)	-10 (14)
Rust & Corrosion ASTM D-130	1A
Base Oil Biodegradability	Pass
Base Oil Aquatic Toxicity	Non-toxic

**PACKAGING**

Bulk  
55 Gallon Drums  
5 Gallon Pails

DATA PROVIDED IN THIS BULLETIN IS TO BE CONSIDERED AS REPRESENTATIVE OF CURRENT PRODUCTION GENERALLY AND NOT AS SPECIFICATIONS. WHILE ALL THE DATA PRESENTED IN THIS BULLETIN IS BELIEVED TO BE RELIABLE, AND BECAUSE CONDITIONS OF USE ARE BEYOND OUR CONTROL, ELM MAKES NO REPRESENTATIONS, GUARANTEES OR WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR AS TO THE CORRECTNESS OR SUFFICIENCY OF DATA HEREIN PRESENTED. EACH USER SHOULD CONDUCT A SUFFICIENT INVESTIGATION TO ESTABLISH THE FITNESS OF ANY PRODUCT FOR ITS INTENDED PURPOSE. NO AGENT, REPRESENTATIVE, OR EMPLOYEE OF THIS COMPANY IS AUTHORIZED TO VARY ANY OF THE TERMS OF THIS NOTICE. TO CONTINUE TO PROVIDE SUPERIOR QUALITY, ELM RESERVES THE RIGHT TO CHANGE THE COMPOSITION OF ITS PRODUCTS WITHOUT NOTICE.

SoyFluid™, Biotechbased™ and the ELM logo are trademarks of Environmental Lubricants Manufacturing, Inc.