

ELM Hydraulic Food Grade ISO 46

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.”

BIOBASED *Biobased, biodegradable, not-bioaccumulative, non-aquatic toxic, and not toxic to plants: Based on evaluation of the base oils and the finished products, the ELM biobased products are designed to be biodegradable, aquatically non-toxic, not- bioaccumulative, and with no impact on plants as determined by known test methods. Nevertheless, the use of all of ELM products are subject to the local ordinances and ultimate responsibility for impact remains with the users.*

- 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

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| TYPICAL PROPERTIES | ISO Viscosity Grade | 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

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