



ISO32/46 H1 Hydraulic Oil

Biobased Food Grade Hydraulic Oil

Part No: 10583

DESCRIPTION

ISO32/46 Food Grade Hydraulic Oil is a biobased, biodegradable hydraulic oil formulated with the best optimized USA-grown natural seed oils that surpass the lubricity of most conventional oils. It is formulated in accordance with the criteria established by the USDA for H1 lubricants and the 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 hydraulics near water or in environmentally sensitive areas
- ▶ Wherever USDA H1 Hydraulic Oils are specified
- ▶ Replaces and mixes freely with petroleum based hydraulic oils

BENEFITS

- ▶ Superior lubricity promotes long equipment life
- ▶ Protects all ferrous metal components from rust and corrosion
- ▶ Protects pumps, valves, cylinders and other components from wear
- ▶ Compatible with most hydraulic hoses and seals
- ▶ Mostly benign when released into the environment
- ▶ Has superior flash and fire points for increased safety
- ▶ EPA's Environmental Preferable Purchasing (EPP) criteria
- ▶ USDA BioPreferred™ listed and approved
- ▶ Manufactured from renewable USA-grown crop based oils

PERFORMANCE LEVELS

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

TYPICAL PROPERTIES

Property	Method	Value
ISO Viscosity Grade		32/46
Base Oil Viscosity at 40°C (cSt)	ASTM D-445	38
Viscosity Index	ASTM D-2270	223
Flash Point °C (°F)	ASTM D-92	256 (493)
Pour Point °C (°F)	ASTM D-97	-10 (14)
Rust & Corrosion	ASTM D-130	1A
Base Oil Biodegradability	OECD	Pass
Base Oil Aquatic Toxicity	Daphnia Magna	Non-toxic

PACKAGING

5-Gallon Plastic Pail

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