



## ISO46 & ISO68 Hydraulic Oil

### Biobased Hydraulic Oil

Part No: 10560, 10561, 10563, 10564

**DESCRIPTION** ISO46 & ISO68 Hydraulic Oils are biobased, biodegradable hydraulic oils formulated with the best optimized USA-grown natural seed oils that surpass the lubricity of most conventional oils. It protects against wear and has a high flash point for safety.

**APPLICATIONS**

- ▶ Recommended for industrial hydraulic systems operating in all seasons
- ▶ Particularly suitable for use in hydraulic systems near water, in forestry and in other environmentally sensitive areas
- ▶ Replaces and mixes freely with petroleum based hydraulic oils

**BENEFITS**

- ▶ Reduces wear through superior thin film protection
- ▶ Protects all ferrous metal components from rust and corrosion
- ▶ Maintains stable viscosity through wide operating temperature range
- ▶ Good seal compatibility
- ▶ 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 Vickers 20-VQ and 104C Vane Pump Tests
- ▶ Passes Vickers 35-VQ Vane Pump Test

TYPICAL PROPERTIES	Property	Method	Value
	<b>ISO Viscosity Grade</b>		<b>46</b>
	Base Oil Viscosity at 40°C (cSt)	ASTM D-445	44
	Viscosity Index	ASTM D-2270	223
	Flash Point °C (°F)	ASTM D-92	256 (493)
	Pour Point °C (°F)	ASTM D-97	-25 (-13)
	Rust & Corrosion	ASTM D-130	1A
	Base Oil Biodegradability	OECD	Pass
	Base Oil Aquatic Toxicity	Daphnia Magna	Non-toxic

**PACKAGING** 5-Gallon Plastic Pail 55-Gallon Drum

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