



ISO220 Industrial Hydraulic Oil Biobased Hydraulic Oil

Part No: 10594, 10595

DESCRIPTION

ISO220 Industrial 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 protects against wear and has a high flash point for safety.

APPLICATIONS

- ▶ Recommended for industrial hydraulic systems
- ▶ 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
ISO Viscosity Grade		220
Base Oil Viscosity at 40°C (cSt)	ASTM D-445	215
Base Oil Viscosity at 100°C (cSt)	ASTM D-445	37.7
Viscosity Index	ASTM D-2270	227
Flash Point °C (°F)	ASTM D-92	276 (529)
Pour Point °C (°F)	ASTM D-97	<-20 (-4)
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 Metal Drum

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