

THE THERMAL-LUBE

HYDRAULIC VEGETABLE OIL

XL9529

July 2022

XL9529 is a biodegradable plant-based hydraulic oil reinforced with additives Anti-wear (AW) / extreme pressure (EP), rust and oxidation inhibitors for the protection of mechanisms of hydraulic systems. **XL9529** does not contain any mineral products or additives that are dangerous for the health of operators and the environment.

SPECIFICATIONS:

XL9529 meets or exceeds the following specifications:

- Cincinnati Machine P-68, P-69, P-70
- U.S. Steel 127, 136 / German Steel SEB 181222
- DIN 51524 Parts 1 and 2, Type HLP
- DIN 51506, VDL
- GE Turbine Specifications [GEK 32568E (ISO 32) & GEK 28143A]
- Denison HF-0, HF-1, HF-2
- ISO 11158:1997, Family H, Type HM
- Bosch Rexroth RE 90220, Type HLP
- Eaton Vickers, I-286-S, M-2950, 35VQ25A

ADVANTAGES:

- Biodegradable
- Non-toxic
- High Flash Point
- Safer than petroleum-based products
- Protects against rust and corrosion
- Compatible with elastomers (seals)

APPLICATIONS:

XL9529 is recommended for rotary, gear or piston pumps, mobile or stationary, operating under high or low pressures.

Product Code: XL9529	Method	/032	/046	/068
Appearance		Clear liquid		
Density @ 15.5/15.6°C	ASTM D1298	0.916	0.918	0.920
Viscosity @ 40°C, cSt	ASTM D44	32	39.15	70
Viscosity @ 100°C, cSt	ASTM D44	8	8.4	13
Viscosity index	ASTM D2270	239	216	190
Flash point, °C	ASTM D92	330	330	335
Flow point, °C	ASTM D97	-15	-15	-12
Rust prevention test,	ASTM D665	Pass		



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