

# THE THERMAL-LUBE

## SYNTHETIC BIODEGRADABLE ROCK-DRILL OIL

# XL9534

February 2025

### FORMULATED WITH A MINIMUM OF 80% INGREDIENTS DERIVED FROM RENEWABLE RESOURCES

**XL9534** is a synthetic ester-based, readily-biodegradable four-season oil fortified with Anti-Wear (AW) and Extreme Pressure (EP) additives, together with rust and oxidation inhibitors for the protection of pneumatic rock drilling equipment.

**XL9534** does not contain any mineral products or additives that are dangerous to the health of operators and the environment.

#### SPECIFICATIONS:

**XL9534** meets OEM requirements:

- Gardner Denver,
- Chicago Pneumatics,
- Ingersoll Rand,
- Joy
- Clark et Dresser

#### ADVANTAGES:

- Readily Biodegradable as per OECD 301B
- Wide temperature range
- Safer than petroleum-based products
- Protects equipment from rust and corrosion
- Compatible with most elastomers (seals)

#### APPLICATIONS:

**XL9534** is specifically designed for use in pneumatic percussion heavy drilling equipment and concrete breakers.

Product Code: XL9534		/046	/068	/100	/150	/220
ISO Grade:	ISO	046	068	100	150	220
Appearance	Visual	Clear Amber Liquid				
Density @ 15°C	ASTM D1298	0.91	0.91	0.92	0.92	0.925
Viscosity @ 40°C, cSt	ASTM D44	44	67.5	98	151	225
Viscosity @ 100°C, cSt	ASTM D44	8.5	15.0	21.5	33	35
Viscosity Index	ASTM D2270	174	235	247	263	204
Flash point, °C	ASTM D92	>300				
Pour point, °C	ASTM D97	-47	-42	-38	-33	-27
Rust prevention test	ASTM D665	Pass				
Biodegradability (%)	OECD 301B	>60% (Readily)				
Toxicity EC50 (ppm)	OECD 201, 202, 203	>1000 (Conforms)				



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