

THE THERMAL-LUBE

LOW PRESSURE FIRE-RESISTANT WATER GLYCOL HYDRAULIC FLUID

XL5000

July 2022

XL5000 provides a safer working environment for those applications where hydraulic piping might rupture and spray fluid onto hot surfaces and ignite with resultant hazard to plant personnel and equipment.

XL5000 is a Group 1 Factory Mutual approved fluid and is approved by the Canadian Centre for Mineral and Energy Technology (CANMET) for use in underground mining applications.

FEATURES

- Lubricating agents provide good anti-wear characteristics.
- Corrosion inhibited to protect ferrous and non-ferrous components; both liquid and vapor phases.
- More environmentally manageable than other fire-resistant fluids.
- Low pour point.

BENEFITS

- Protects pumps and system components from premature wear.
- Extends equipment life, reduces downtime and maintenance costs.
- More acceptable in today's environmentally conscious society.
- Ease of startup over a broad operating range.

TYPICAL SPECIFICATIONS

TYPICAL SPECIFICATIONS	
Product Code: XL5000	
Colour	Red
Appearance	Clear
Water Content (% by weight) (ASTM D1744)	38.0 - 40.5
Pour Point (°C) (ASTM D97)	-50
Viscosity (cSt @ 40°C) (ASTM D445)	41 - 48
CORROSION PROTECTION	
Reserve alkalinity (FLA 011)	165 - 205
pH (FLA 003)	9.0 - 10.0
Multi-metal Corrosion Test (200 hrs) Liquid Phase (Brass, Cu, Al, Steel) Vapour Phase (Steel, Cast iron)	Pass Pass
WEAR TESTING	
Hydraulic Pump Test (mg wear/hr, 100hrs) (ASTM D2882)	0.60 - 0.80
VICKERS 20-VQ-5 Pump Wear Test (Operating Parameters): Pump Pressure (PSI) Pump Speed (RPM) Temperature (°C) Flow Rate (gpm)	3000 1200 65 5
WATER CORRECTION MATERIAL	
Water	De-ionized



255 Ave Labrosse, Pointe-Claire, Québec, Canada H9R 1A3

T: +1.514.694.5823; www.thermal-lube.com

The information presented in this bulletin is, to the best of our knowledge accurate. It is intended to be helpful, and not considered to be a guarantee. L'information donnée dans ce bulletin est, au meilleur de nos connaissances, exacte. L'intention de ce bulletin est pour votre aide et non une garantie.