

## XL-5000

# LOW PRESSURE FIRE-RESISTANT WATER GLYCOL HYDRAULIC FLUID

**XL-5000** 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.

**XL-5000** 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	BENEFITS
<ul style="list-style-type: none"> <li>Lubricating agents provide good anti-wear characteristics</li> </ul>	<ul style="list-style-type: none"> <li>Protects pumps and system components from premature wear</li> </ul>
<ul style="list-style-type: none"> <li>Corrosion inhibited to protect ferrous and non-ferrous components; both liquid and vapor phases</li> </ul>	<ul style="list-style-type: none"> <li>Extends equipment life, reduces downtime and maintenance costs</li> </ul>
<ul style="list-style-type: none"> <li>More environmentally manageable than other fire-resistant fluids</li> </ul>	<ul style="list-style-type: none"> <li>More acceptable in today's environmentally conscious society</li> </ul>
<ul style="list-style-type: none"> <li>Low pour point</li> </ul>	<ul style="list-style-type: none"> <li>Ease of startup over a broad operating range</li> </ul>

TYPICAL SPECIFICATIONS	
<b>Product Code: XL-5000</b>	
Colour	Red
Appearance	Clear
Water Content (% by weight) (ASTM D-1744)	38.0 - 40 .5
Pour Point (°C) (ASTM D-97)	-50
Viscosity (cSt @ 40°C) (ASTM D-445)	41 - 48
<b>CORROSION PROTECTION</b>	
Reserve alkalinity (FLA 011)	165 - 205
pH (FLA 003)	9.0 - 10.0
Multi-metal Corrosion Test (200 hrs)	
<i>Liquid Phase (Brass, Cu, Al, Steel)</i>	Pass
<i>Vapour Phase (Steel, Cast iron)</i>	Pass
<b>WEAR TESTING</b>	
Hydraulic Pump Test (mg wear/hr, 100hrs) (ASTM D-2882)	0.60 - 0.80
VICKERS 20-VQ-5 Pump Wear Test (Operating Parameters):	
<i>Pump Pressure (PSI)</i>	3000
<i>Pump Speed (RPM)</i>	1200
<i>Temperature (°C)</i>	65

TYPICAL SPECIFICATIONS	
Flow Rate (gpm)	5
WATER CORRECTION MATERIAL	
Water	De-ionized