

## XL-5146

# FIRE-RESISTANT WATER-GLYCOL HYDRAULIC FLUID

**XL-5146** 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-5146** 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 and failure.
- Extends equipment life, reduces downtime and maintenance costs.
- More acceptable in today's environmentally conscious society.
- Ease of start up over a broad operating range.

TYPICAL SPECIFICATIONS	
<b>Product Code: XL-0830</b>	
Viscosity (cSt @ 40°C) (ASTM D-445)	41 - 48
Viscosity Index (ASTM D-2270)	185
Pour Point (°C) (ASTM D-97)	< -50
Colour	Red (Clear)
Corrosion Protection (ASTM D-665A)	Pass
Water Content (% weight)	38.0 - 40.5
pH @ 25°C	9.0 - 10.0
Alkalinity*	165 - 205
	*mL of 0.1N hydrochloric acid needed to neutralize 100ml of fluid to a pH of 5.5

Wear Test - VICKERS V-104 8 gpm Vane Pump	
Wear rate: mg/hr**	
1500 psig	<0.2
1900 psig	0.05 (<0.2)

<b>Wear Test - VICKERS V-104 8 gpm Vane Pump</b>	
1950 psig	0.05 (<0.2)
** Vickers Hydraulic Pump Test, mg wear/hr modified ASTM D-2882 - 100 hrs	

<b>Test Operating Parameters:</b>	
Pump speed	1200 rpm
Temperature	65 °C
Filter	25 micron
Quantity of oil	5 litres

<b>Water Correction Material</b>	
Water	De-ionized

**PACKAGING:**

**XL-5146** is available in 20L pails, 205L drums, 1100L semi bulk containers and bulk shipment as required.