

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	
Product Code: XL-0830	
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



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LUBRICATING PROPERTIES

Wear Test - VICKERS V-104 8 gpm Vane Pump

Wear rate: mg/hr**

1500 psig	<0.2
1900 psig	0.05 (<0.2)
1950 psig	0.05 (<0.2)

** Vickers Hydraulic Pump Test, mg wear/hr modified ASTM D-2882 – 100 hrs.

Test Operating Parameters:

Pump speed	1200 rpm
Temperature	65 °C
Filter	25 micron
Quantity of oil.....	5 litres

Water Correction Material

Water..... De-ionized

PACKAGING:

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



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