



Description

The product Maker Telex HFC 46 is a fire-resistant hydraulic fluid based on a mixture of water and glycol. It is a fluid intended mainly for replacing mineral hydraulic oils in systems with high fire risk.

It has a water content of approximately 37% and is designed for use in the metallurgy industry, where excellent lubricity is required and where there are extreme operating conditions. The loss of water content could entail an increase in viscosity and deionised water would have to be added to recover its properties.

It is specially suitable for hydraulic systems which due to their characteristics or location are exposed to fire risk and where the fluid does not exceed a temperature of 60°C. It is therefore a high-safety fluid for mining, the steel industry, manufacturing industries (cast iron or plastic deformation of elements such as forges or presses).

Properties

- Excellent lubricity
- Very good filterability
- High shear stability
- Fire-resistant fluid

Quality levels, approvals and recommendations

- ISO 6743/4 HFC, 12922 HFC

- Luxembourg Protocol 7th

Technical specifications

	UNIT	METHOD	VALUE
ISO Viscosity Grade			46
Density at 15 °C	g/cm3	ASTM D4052	1,080
Kinematic viscosity at 40 °C	cSt	ASTM D445	46
Pour point	°C	ASTM D97	-48
4 Ball wear, print diameter (40 kg)	mm	ASTM D2266	0,95
Corrosion Cu, 3hrs 100 °C	-	ASTM D130	1b
Filterability	-	NFE 48692	1,06
Flame spread	-	ISO 14935	Pass
Ignition in tube	-	CETOP RP 65 H	Pass
Rust, method A	-	ASTM D665	Pass
Spray ignition test	-	ISO 15029-1	Pass

The above mentioned characteristics are typical values and should not be considered product specifications.