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## FIRE RESISTANT AFRISAFE HFC - 7000

### DESCRIPTION

Afriq Fire Resistant Afrisafe HFC – 7000 is an environmental safe, water-glycol based, fire resistant hydraulic fluid. It is recommended to be used for hydraulic systems involving risks of fire.

### CHARACTERISTICS

This oil is based on a polyglycol-water solution offering superior corrosion protective characteristics. The above product is a chemical stable, hydrocarbon free solution, not causing any residual problems. The viscosity-temperature balance is superior to those of mineral oil containing fluids. Due to the superior specific heat and heat transfer characteristics, the optimal operating temperature is between + 30 ° C to +60 ° C. As a result, of the fact that the product contains water, we recommend a maximum operating tank temperature of 65 ° C. The hydraulic systems, in which our product is used, should be free of any local heat- sources. Local significant temperature increases, cause developments of vapour resulting in cavitation wear.

Afric Afrisafe HFC – 7000 is fully compatible with most commercial available water glycol based fire resistant hydraulic fluids. The above product is available on special request (with additives), to further reduce wear especially on pumps and cylinders. It is not compatible with Leather; Polyurethane based materials, Zinc, Cadmium, Lead, Magnesium, Polyurethane rubber and common industrial paints.

### TYPICAL PHYSICAL CHARACTERISTICS

Density @ 20 °C	Ca. 1.07 g/cm <sup>3</sup>	Vickers V104/105C (1500rpm/250/hrs/105 bar/45 °C)	Wear loss ring – 3-25mg Wear loss vanes – 1-7mg
Viscosity @ 40 °C	39.5 mm <sup>2</sup> /s	Norm	HFC according to DIN Norm 51502
Viscosity @ 20 °C	99 mm <sup>2</sup> /s	Viscosity Index	>>200
pH @ 25 °C	9,5	Working temp	-20 °C to + 65 °C
Pour Point	Below – 40 °C	Heat transfer @ 20 °C	3,3 kJ/kg * K
Flash point	None	Content of water	39 %
Colour	Transparent Blue	Content of Oil	0 %