# Hydraulic® HFC

Metallurgy › HYDRAULIC FLUIDS

## GENERAL INFORMATION

Fire-resistant hydraulic fluid of HFC type. It is intended for use in hydraulic systems of machines and devices operating in particularly dangerous conditions, where there is a risk of fire.

## PROPERTIES

Hydraulic® HFC is an aqueous solution of polymers and functional additives such as lubricants, corrosion inhibitors and anti-foaming agents. The product meets the criteria of the 7th Luxembourg Report and the EN-ISO 12922:2002 standard. Thanks to its appropriately selected composition, it has excellent lubricating and anti-wear properties. It does not cause corrosion of steel, copper, brass, aluminum and zinc. The presence of appropriate anti-foaming agents minimizes the risk of cavitation. It is not a hazardous product according to the REACH regulation and is easily biodegradable. It does not contain nitrites, nitrosamines, diethanolamine.

**Characteristics - typical properties:**

Appearance: clear red liquid

Density at 20°C: 1.14 g/cm3

pH: 8.8

Viscosity at 40°C: 46 mm2/s

Water content: 39% (m/m)

## APPLICATION

It is intended for use in hydraulic systems of machines and devices operating in particularly hazardous conditions, wherever the use of oil-based hydraulic fluids is unacceptable due to the risk of fire or explosion. i.e. in the following industries: • mining and coking, e.g. roadheaders and

longwall shearers, loaders, wall conveyors

- steel, e.g. hydraulic systems of heat treatment furnaces
- foundry, e.g. in pressure casting machines
- metallurgical, e.g. in hydraulic presses for metalworking
- forging, e.g. in hydraulic forging presses
- construction, e.g. in tunnel boring machines
- automotive, e.g. in pressure washers
- plastics, e.g. in hydraulic injection molding systems
- and many others.

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