

## HYDRO FIRE 8546

HYDRAULIC SAFETY FLUID ISO-L-HFC CATEGORY



### APPLICATIONS

**HYDRO FIRE 8546** is a hydraulic safety oil formulated from polyglycols plus special wear and corrosion resistance additives.

**HYDRO FIRE 8546** is strongly recommended for all hydraulic units operating near heat sources or highly inflammable materials, in particular where there is a risk of accidental leakage of pressurised hydraulic fluid.

**HYDRO FIRE 8546** satisfies safety requirements for the mining, steel, metalworking, plastics, and glass industries, for industrial furnace doors and pressurised molten metal moulding presses

### BENEFITS

- Practically unflammable thanks to a water content of at least 43 %.
- Very high ignition resistance and does not propagate flame.
- Shearproof, its high viscosity index ensures to preserve its properties throughout its service life. The viscosity varies very little under pressure.
- Very low pour point, allowing its minimum service temperature to be decreased below -20°C.
- Remarkable lubricating power.
- Good compatibility with water-resistant lines and fittings (use of polyurethane and polysulphide lines and fittings is prohibited).
- **HYDRO FIRE 8546** is free of nitrites and is biodegradable.

### PRECAUTIONS FOR USE

Owing to the incompatibility between glycol-water type fluids and petroleum fluids, it should be recalled that a few precautions are required when changing from one type of fluid to the other in a system.

Because of the nature of the fluid, its water content must be checked at regular intervals during service. Losses through evaporation must be compensated for by topping up with water or **HYDRO FIRE 8546** (contact our technical department, especially if the fluid is used at a temperature above 60°C).

### PERFORMANCES

Approved by the automotive industry (CNOMO) and the French steel industry.

Satisfies the specifications of the seventh report of the standing body of the European Union.

#### PERFORMANCE LEVELS

ISO 6743-4 HFC Category  
NF E 48602 HFC Category  
CHARBONNAGES DE FRANCE M 82-659-2 HFC Category



## CHARACTERISTICS

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
Colour	-	Visual	Blue
Specific gravity at 15°C	kg/m <sup>3</sup>	NF T 60-101	1080
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	NF T 60-100	46
Kinematic viscosity at 100°C	mm <sup>2</sup> /s	NF T 60-100	9,5
Viscosity index	-	NF T 60-136	195
Foaming sequence 1	ml	NF T 60-129	50/0
Water content	% weight	NF T 60-154	43 à 48
Pour point	°C	NF T 60-105	- 42
pH at 20°C	-	NF E 48612	10

*This typical data is given for information only*

## HEALTH, SAFETY AND ENVIRONMENT

Elimination must be made conforming with the rules set for the disposal of used fluids.

Shelf life : production date + 24 months.

Should you need further details, our Technical Department remains at your entire disposal.