



# eni ARNICA 104/FR

eni ARNICA 104/FR is a non-flammable hydraulic fluid with high Viscosity Index and low pour point which satisfies the requirements of hydraulic circuits in industrial machinery. It consists of a glycol/water solution additive-treated to prevent corrosion. (ISO-L-HFC classification) The fire-resistance of the product is essentially attributable to its water content.

## CHARACTERISTICS (TYPICAL FIGURES)

### eni ARNICA 104/FR

Viscosity at 40° C	mm <sup>2</sup> /s	43
Pour Point	°C	-33
pH	-	9,7
Alkalinity (to pH 5,5)	cc HCl 0,1 N/10 cc	17
Mass density at 15° C	kg/l	1,050

## PROPERTIES AND PERFORMANCE

- eni ARNICA 104/FR is notable for its very good combustion resistance. There is no possibility of the product causing a fire if it comes in contact with molten or hot metals, electric sparks or naked flames in case of leakage of the fluid or rupture of the hydraulic circuit.
- It possesses good lubricating properties, a prerequisite for efficiency and long life of lubricated moving parts in the circuit.
- Under normal operating conditions it is noncorrosive to steel, cast iron, copper and anodized aluminium. The presence of inhibitors prevents rusting of unpainted ferrous surfaces by water or steam.
- Its antifoam properties ensure the rapid disappearance of foam and prevent any malfunctioning of the plant due to this cause.

## APPLICATIONS

eni ARNICA 104/FR is particularly suitable for use as hydraulic fluid for industrial applications where, provided the working temperature does not exceed 50°C, there would be a serious fire hazard in case of rupture of the hydraulic circuit and loss of fluid, due to the presence of sources of ignition. A few examples of applications are as follows:

- Electric welders
- Forging presses
- Weighing machine transmitters
- Ingot turners
- Furnace-charging operating circuits
- Ingot transporters
- Oxygen production plant controls
- Paper mill tension regulating systems
- Industrial hydraulic brakes
- Furnace combustion controls

## eni ARNICA 104/FR

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eni ARNICA 104/FR may be considered as virtually non-toxic. It requires no special handling precautions other than those normally adopted for mineral oils. Fumes which may be given off are not harmful.

eni ARNICA 104/FR is a propylene-glycol-based product which, in addition to high performance, is environmentally safe even in case of accidental leakage, and can be treated as special waste when exhausted.

The use of eni ARNICA 104/FR is dependent upon compatibility with circuit components, especially seals, flexible piping, paintwork, etc.

### SPECIFICATIONS

eni ARNICA 104/FR is approved by Danieli according to Standard 0.000.001 specification