

## PRESOL HFC 40

FIRE RESISTANT HYDRAULIC FLUID CATEGORY HFC (WATER-GLICOL)

### DESCRIPTION

**PRESOL HFC-40** is a fire-resistant hydraulic fluid type HF-C (water-glycol), red coloured, that shows excellent lubricant properties. It's suitable for oil dynamic controls. Range of temperatures in use, from -25°C. up to 65°C. Pumpability recommended from 0°C.

### APPLICATION

**PRESOL HFC-40** is specifically suitable for hydraulic circuits near sources of heat, both for the absolute guarantee against fire hazard and for its exceptional durability, resistance and lubrication.

It is commonly used in melting machines, furnace loading and unloading mechanisms, all hydraulic handling systems in the steel industry, steel and smelting forges, coal mines, applications where a high biodegradability of the hydraulic fluid is required.

### PROPERTIES

- Safe to use; It's non-flammable, Does not generate foam and does not explode.
- High viscosity index.
- Excellent oxidation stability for long term use.

### COMPATIBILITY

- Metals: compatible with steel, copper, aluminium. Avoid zinc, cadmium.
- Elastomers: compatible with natural gums, nitrile, butyl, styrene-butadiene, ethylene-propylene and viton. Avoid polyurethane.
- Paintings: avoid conventional paints.
- Filters: avoid diatomaceous earth filters.

### QUALITY LEVEL

ISO 12922 HFC – ISO 6743/4 HFC  
NATO H-579 – MIL-H-22072C

### TECHNICAL CHARACTERISTICS

|                    | Units              | Typical values   | Method      |
|--------------------|--------------------|------------------|-------------|
| Appearance         | -                  | Red, transparent | -           |
| Density at 20 °C   | kg/dm <sup>3</sup> | 1,06             | ASTM D 1298 |
| Viscosity at 20 °C | cSt                | 80               | ASTM D 445  |
| Viscosity at 40 °C | cSt                | 45               | ASTM D 445  |
| Viscosity at 50 °C | cSt                | 27               | ASTM D 445  |
| Viscosity Index    | -                  | > 150            | ASTM D 2270 |
| Flash point        | °C                 | Non-flammable    | ASTM D 92   |
| Pour point         | °C                 | -50              | ASTM D 97   |
| pH                 | -                  | 8,5 – 9,5        | DIN 51 369  |
| Pump Vickers       | mg                 | < 20             | (V 104 C)   |

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