



Glytex HFC 46

High performance HFC fire-resistant hydraulic fluid

Product description

Texaco Glytex® HFC 46 is a high performance HFC fire-resistant hydraulic fluid based on a water-glycol formulation and designed to fully meet 7th Luxembourg report requirements.

Customer benefits

- Formulated to provide optimum, dependable safety and reliability, and categorized as non- or minimally water-polluting (NWG/WGK 1).
- Designed for high flame resistance with a high water content, above the normal security level even where some evaporation occurs.
- Promotes corrosion resistance in metals in circuits; and offers unique corrosion resistance in iron, copper, aluminium, and alloys.
- Helps prevent lacquer formation and muddy deposits in distributors, filters, and servo valves.
- Offers dependable filterability and deaeration, allowing use in equipment with servo valves and fine filtration as low as three microns.

Product highlights

- **Minimally water-polluting (NWG/WGK 1)**
- **Designed for high flame resistance**
- **Promotes circuit corrosion protection**
- **Helps prevent lacquer and muddy deposits**
- **Offers dependable filterability and deaeration**

Selected specification standards include:

Meets 7th Luxembourg Report requirements	SMS
NWG/WGK 1	VDMA
ISO	

Applications

Glytex HFC 46 is recommended for many hydraulic systems operating close to hot surfaces and flames, where a fire hazard exists in the case of a leak of pressurized hydraulic fluid. These areas include coking plants, foundries, hardening plants, forming presses, injection moulding, pressure die casting, and mining technologies.

Working temperature:

- -20°C up to 60°C

Recommended operating temperature:

- +30°C up to 50°C

Mines:

- Casting under pressure
- Tilting devices
- Elevator chariots

Steel Industry:

- Hydraulics in continuous casting
- Gates and tilting ovens

Forging:

- Oven doors
- Tilting devices
- Forging presses

Glytex HFC 46 also has applications in hydraulic systems used by marine and welding robots.

Note: Glytex HFC 46 must not be used in salt mining operations.

Approvals, performance and suitable for use

Approvals

- The technological characteristics of this hydraulic fluid are in accordance with requirements of the 7th Luxembourg Report.
- SMS group: SN180-2

Performance

Meets the requirements of:

- VDMA 24317
- ISO 12922
- ISO 6743-4: ISO-L-HFC 46

Product maintenance and handling

In general, conventional machine lacquers can be dissolved from glycol-mixtures, we recommend 2K-epoxide-resin-lacquers. Owing to the higher density by comparison to HLP mineral oil, lower intake pressures are to be expected in pumps and, where applicable, the flow must be reduced, and the intake conditions optimized (higher cavitation tendency). A reservoir with an inspection port above the fill level is recommended in order to remove floating residual oil.

Typical test data		
Test	Test Methods	Results
Typical Shelf Life: 48 months from date of filling indicated on the product label		
Appearance	Visual	Turbid Red
Kinematic Viscosity at -20°C, mm ² /s	DIN 51 562	841.3
Kinematic Viscosity at 0°C, mm ² /s	DIN 51 562	214.9
Kinematic Viscosity at 20°C, mm ² /s	DIN 51 562	81.2
Kinematic Viscosity at 40°C, mm ² /s	DIN 51 562	37.7
Viscosity Index	DIN ISO 2909	205
Pour Point, °C		-45
Density at 15°C, kg/l	DIN 51 757	1.082
Foam Seq I at 25°C, ml	DIN 51 566	10/0
Foam Seq II at 50°C, ml	DIN 51 566	10/0
Foam Seq III at 25°C, ml	DIN 51 566	10/0
Air Release at 50°C, min	ISO 9120	16
Alkalinity Reserve, ml 0.5 mol/ l HCl		11.4
Shear Strength		
- At -20°C,%		+4
- At 0°C,%		+2
- At 20°C,%		+4
- At 40°C, %		+5
Reduction pH value		0
Reduction in water content, wt%		1.4
Membrane Filtration, 0,8 µm		15
Vane pump – ring, mg	DIN 51389	62
Vane pump – vane, mg	DIN 51389	17

The typical test data set out above does not constitute a specification. It is indicative only and can be affected by allowable production tolerances. Chevron may modify this test data. Modified data will supersede all previous data, so please ensure you refer to the latest version of this Product Data Sheet (PDS).

Disclaimer: Data provided in this Product Data Sheet (PDS) is based on standard tests under laboratory conditions and is indicative only. This product should not be used for any purpose other than those expressly set out in this PDS. The user has sole responsibility for verifying that this product is suitable for the user's intended application. Neither Chevron nor its subsidiaries (i) make any warranty or representation as to the accuracy or completeness of this PDS; and/or (ii) accept liability for any loss or damage suffered as a result of the use of this product other than in accordance with the terms of this PDS.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

When disposing of used product, take care to protect the environment and follow local legislation.

Safety Data Sheets (SDS's) are available for all Chevron products. If you require a SDS or any further information regarding a Chevron product, please contact your local sales office or see <http://europe.chevronlubricants.com>.

A Chevron company product