



Glytex[®] HFC 46

Advanced design fire resistant hydraulic fluid

Customer benefits

Advanced safe performance

Glytex HFC 46 is an advanced technology formulation designed to meet 7th Luxembourg report requirements. This latest generation hydraulic fluid delivers world-class lubrication and wear protection in high shear stress situations, maximising system performance and protection.

This high performance fluid's advanced formulation protects hydraulic systems against corrosion and rust. Glytex HFC 46 is highly flame resistant, and has a significantly higher water content than conventional fire resistant hydraulic fluids, but also delivers excellent low evaporation characteristics and superior lubrication performance. This high water content delivers maximum safety and reliability.

Maximum system protection

Glytex HFC 46 delivers unique anti-corrosion performance to system components, including iron, copper, aluminium and a range of alloys.

Featuring latest generation additive technologies, Glytex HFC 46 delivers powerful keep-clean performance, resisting varnish and sludge formation, and resisting muddying of the fluid. This exceptionally high keep-clean performance, coupled with leading edge air-release properties delivers outstanding three-micron fine-filtration, improving servo valve and distributor performance, and making Glytex HFC 46 the fluid of choice for latest generation, sophisticated hydraulic equipment.

Product features

Glytex HFC 46 is an advanced technology fire resistant hydraulic fluid designed to deliver maximum wear, corrosion and rust protection in all hydraulic systems, including highly sophisticated, latest generation equipment where top-line hydraulic fluids that fully meet 7th Luxembourg report standards are required.

Applications

- Glytex HFC 46 is recommended for all hydraulic system operating close to hot surfaces and flames and where a fire hazard exists in case of a leak of pressurised hydraulic fluid.
- Glytex HFC 46 is recommended for casting under pressure, tilting devices, and elevator chariots in mines; hydraulic systems in continuous casting equipment, gate controls and tilting oven systems in the steel industry; oven door controls, tilting oven systems and forging presses in forging operations; welding robots; and applications in the marine and aviation sectors.

Approvals, performance and recommendations

Approvals

Glytex HFC 46 is approved against the 7th Luxembourg report by the French organisation “Charbonnages de France” (CHERCHAR) and has been approved by Renault France under number T843457.

Typical test data

Test	Test methods	Results
Visc. Kinematic at 40°C	ISO 3104	47
Visc. Index	ISO 2909	200
Pour point, °C	ISO 3016	-27
TAN, mg KOH/g	ASTM D0664	0.16
Density, 20°C, Kg/l	ASTM D1298	1.074
pH	ASTM D1287	8.6
Water By Distil, %v	ISO 3733	48
Refractive Index, 20°C	-	1.3943

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

Disclaimer Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheets.

Health, safety, storage and environmental Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDSs are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

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