

Technical Data Sheet

Texol Hydrosyn™ HFC Series

Advanced design fire resistant hydraulic fluid

Product Description

Texol Hydrosyn™ HFC series are 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. Texol Hydrosyn™ HFC series are 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.

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

Featuring latest generation additive technologies, Texol Hydrosyn™ HFC 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 Texol Hydrosyn™ HFC the fluid of choice for latest generation, sophisticated hydraulic equipment.

Applications and Uses

- Texol Hydrosyn™ HFC series are 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.
- Texol Hydrosyn™ HFC series are recommended for casting under pressure, tilting devices, and elevator chariots in mines; hydraulic systems in continuous casting equipment, gate controls and tilting oven system 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.

Technical Data Sheet

Texol Hydrosyn™ HFC Series

Advanced design fire resistant hydraulic fluid

Typical Properties

Property (Unit)	HFC 32	HFC 46	HFC 68	Method
Density at +15 °C	1170	1174	1180	DIN 51757
Viscosity @40°C, cSt	32.8	47	66.6	DIN 51550
Viscosity @100°C, cSt	6.01	9.70	10.45	DIN 51550
ISO Viscosity Grade	32	46	68	DIN 51519
Viscosity Index	195	200	205	DIN ISO 2909
Pour Point, °C	-32	-27	-25	DIN ISO 3016
Four ball weld load, N	1600	1600	1600	DIN 51350-02
Steel corrosion	0	0	0	DIN 51585
Water By Distil, %v		48		DIN ISO 3733
FZG test (A/8.3/90)		>14		DIN 51354

Notes for Use

- Please observe the viscosity specified by the manufacturer.
- Good compatibility with conventional sealing materials.
- When changing over from mineral oil to Texol Hydrosyn™ HFC oil filters have to be monitored and – if necessary exchanged or cleaned