



# Synstar® Hydraulic HFDU

Premium fire resistant hydraulic fluid

Product Data Sheet

## Product description

Synstar Hydraulic HFDU is a fully synthetic ester based premium performance fire resistant hydraulic fluid as per ISO 6743/4; L-HFDU 46, designed to promote system protection and extended equipment life under severe operations, where fire hazard is present.

Synstar Hydraulic HFDU meets the 7th Luxembourg Reports requirement published by European Coal and Steel Community's High Authority.

## Customer benefits

- **Premium performance**

Superior protection against shearing and wear over extended operating periods, optimising oil film durability and offering maximum equipment protection in very hot or very wet operations. This advanced fluid provides outstanding hydrolytic stability, and rapid water separation, resisting rust or corrosion formation.

- **Long Service Life**

Formulated with premium oxidation inhibitors to provide long service life in high temperature environment to resist oil breakdown and sludge formation.

- **High Viscosity Index**

High viscosity index performance fluid enables operations at wide range of operating temperature

- **Excellent Shear Stability**

Ester based formulation coupled with shear stable viscosity index improver helps oil stay in grade in demanding severe operations

- **Safety**

Delivers maximum safety in high temperature operations, where hot surfaces or flame may otherwise be a source of ignition for conventional hydraulic fluids, or where the risk of fire due to high-pressure fluid release is of concern.

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## Applications

Recommended for use where high temperature surfaces, flame or other sources of ignition would cause fire in conventional mineral hydraulic fluids, or where the risk of fire due to high pressure fluid release is of concern.

## Typical Data

SYNSTAR HYDRAULIC HFDU	TEST METHODS	RESULTS
<b>Viscosity Grade</b>		46
<b>Appearance</b>	<b>Visual</b>	B & C
<b>Visc. Kinematic at 40 °C</b>	ISO 3104	45.74
<b>Visc. Kinematic at 100 °C</b>	ISO 3104	9.41
<b>Visc. Index</b>	ISO 2909	195
<b>Flash Point, COC °C</b>	ISO 2592	320
<b>Pour point, °C</b>	ISO 3016	-30
<b>Density, 15 °C, Kg/l</b>	ASTM D1298	0.9234
<b>Cu Corrosion, 3h, 100 °C</b>	ASTM D0130	1A
<b>FZG Damaged Load, a/8.3/90</b>	DIN 51354	12

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.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by Chevron Lubricants; Africa, Middle East and Pakistan.

Environment, Health and Safety Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit [www.chevronlubricants.com](http://www.chevronlubricants.com)

For more information, go to [www.chevronlubricants.com](http://www.chevronlubricants.com)