



HYDRAULIC FG 46

Synthetic Hydraulic Oil

DESCRIPTION

HYDRAULIC FG 46 is an NSF H1 registered lubricant formulated from medicinal white oil.

APPLICATIONS

HYDRAULIC FG 46 is recommended for the lubrication of hydraulic systems in the Food processing, Cosmetic and Pharmaceutical industries within a temperature range of -15 to 120 °C.

HYDRAULIC FG 46 oil is NSF H1 certified: Registration number 139812.

HYDRAULIC FG 46 is Kosher, and Halal certified.

HYDRAULIC FG 46 meets the FDA - 21 CFR 178.3570 specifications and can be used in mechanical systems where direct contact with the lubricant cannot be avoided.

ADVANTAGES

- Oxidation stability.
- EP and anti-wear qualities.
- Excellent demulsibility (water).
- Excellent protection against corrosion
- Neutrality in relation to seals
- Excellent anti-foam properties.

**TECHNICAL INFORMATION**

TECHNICAL CHARACTERISTICS	UNITS	METHOD	HYDRAULIC FG 46
Base oil	-		
Color	-	Visual	Colourless
Density	-	ISO 12185	0,857
ISO Grade	-		46
Viscosity at 40°C	cST	ISO 3104	
Viscosity at 100°C	cST	ISO 3104	9.0
Viscosity index	-	ISO 2909	140.0
Flash point	°C	ISO 2592	190.0
Pour point	°C	ISO 3016	-10.0
Copper corrosion	-	ISO 2160	1a
4 Ball test - Weld load	kg	ASTM D2596	160
4 Ball test - Wear scar	mm	ISO 20623	< 0,5
Operating range temperature	-		-10°C to +120°C

These characteristics are given only for information and can be updated over time.

SERVICES AND EQUIPMENT

In addition to its product ranges, MotulTech can provide tools and services for the maintenance and monitoring of your lubricants. Please contact your technical sales representative for more information.



Important Notice

Information disclosed in this technical data sheet is based on MOTUL's experience and know-how in the development and manufacture of lubricants and other chemical products according to the current state of knowledge.

Any chemical product must be used in the intended application and in accordance with the recommendations provided in its safety data sheet freely consultable via the site <https://www.quickfds.com/fr/>. The performance of our products may be influenced by a series of factors, including conditions of use, application methods, operational environment, pretreatment of components, possible external contamination, etc ... For these reasons, universal recommendation of our products is impossible. The information in the technical data sheet represents general, non-binding guidelines and is given for guidance only. No express or implied warranty is given regarding the properties of the product or its suitability for a given application.

Therefore, we recommend consulting an application engineer to discuss application conditions and product performance criteria before use. It is the user's responsibility to test the functional suitability of the product and to use it under appropriate safety conditions. Our products are subject to continuous improvement with the aim of improving performance or bringing them into compliance with any new and possible regulations concerning them. We reserve the right to change our product lines, our products and their manufacturing processes and any provisions of our publications at any time without notice. This technical sheet cancels and replaces all previous editions.

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