

COFRAN COFRAJAH 46

High-quality EP/AW lubricating and hydraulic oils with a high viscosity index, based on hydrogenated base oils

Description

COFRAN COFRAJAH 46 is based on selected, hydrogenated Group II base oils of the latest generation. Balanced additives and additive systems improve ageing and oxidation resistance. They also guarantee excellent corrosion protection for steel and iron materials. Synergistic copper inhibitors protect copper and yellow metal alloys against corrosion. Selected anti-Wear and extreme Pressure additives reliably protect hydraulic pumps, motors, hydraulic components, and machine elements against wear. Excellent wear protection is guaranteed even under high loads, high and low temperatures, and harsh environmental conditions.

Application

COFRAN COFRAJAH 46 can also be used as a lubricating and circulating oil.

Advantages

- Premium hydraulic fluid
- Outstanding demulsibility
- Outstanding air release
- Excellent copper corrosion protection
- Excellent foaming behaviour
- Excellent filtration behaviour (dry and under the influence of water)
- High-quality base oils of the latest generation
- Very good corrosion protection against steel
- Very good hydrolytic stability
- High ageing and oxidation stability even at high temperatures, extension of oil change intervals possible
- Good wear protection properties (EP/AW)

Specifications

- Bosch Rexroth RD 90235 / RDE 90245
- DENISON HF-0 / HF-1 / HF-2

Product Information



Application (Continuation)

Universally applicable, demulsifying hydraulic and lubricating oil (for circulation and bearing lubrication). Suitable for all applications in mobile and stationary hydraulic systems for which the use of a demulsifying hydraulic oil (HLP) is prescribed. Synergistic additives guarantee a long service life, maximum hydraulic performance and good power transmission. Even at high temperatures and high pressure, the synergistic properties of the base oils and the additive technology guarantee reliable operation of the system components and machines, long service life, extended service intervals and double to triple the service life (compared to standard HLP hydraulic oils based on Group I).

Specifications (Continuation)

- The product fulfil or exceed the requirements according to:
- DIN 51524-2: HLP
- ISO 6743-4: HM
- ISO 11158: HM
- Vickers vane pump

Product Information



TYPICAL CHARACTERISTICS

ISO VG	DIN 51519	46
Kinematic viscosity at 40 °C	DIN EN ISO 3104	46 mm ² /s
Kinematic viscosity at 100 °C	DIN EN ISO 3104	6.94 mm ² /s
Viscosity index	DIN ISO 2909	108
Density at 15 °C	DIN 51757	865 kg/m ³
Flash point according to Cleveland (COC)	DIN EN ISO 2592	230 °C
Acid number (neutralisation number)	DIN ISO 6618	0.5 mgKOH/g
Pour point	DIN EN ISO 3016	-36 °C
Colour (ASTM)	DIN ISO 2049	0.5
Air release at 50 °C	DIN ISO 9120	4 min
Corrosion effect on copper (degree of corrosion)	DIN EN ISO 2160	1-100A3
Corrosion protection against steel	DIN ISO 7120	0-A / 0-B
Scuffing capacity FZG A/8.3/90	DIN ISO 14635-1	11
Vickers V104C vane pump (weight loss vane / ring)	DIN EN ISO 20763	2 / 30 mg
Load capacity according to Brugger	DIN 51347-2	25 N/mm ²
TOST Lifetime	ASTM D943	> 5.000 h
Electrical conductivity at 75 °C	ASTM D2624	high

Product Information



In all cases, to limit the risk of water contamination (including condensation), store drums and barrels horizontally. Do not expose packaging to strong sunlight or extreme temperatures. The information contained in this data sheet is based on FLF's experience and know-how in the development and manufacture of lubricants and other chemical products to the best of our knowledge. All chemical products must be used in the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). The performance of our products can be influenced by a range of factors, including conditions of use, application methods, operating environment, pre-treatment of components, possible external contamination, etc. For these reasons, a universal recommendation of our products is impossible. The information given in the data sheet represents general, non-binding guidelines and is provided for guidance only. No warranty, express or implied, is given concerning the properties of the product or its suitability for a given application. We therefore recommend consulting an application engineer to discuss application conditions and product performance criteria prior to use. It is the user's responsibility to test the functional suitability of the product and to use it under the appropriate safety conditions. Our products are subject to continuous improvement, with the aim of enhancing performance or bringing them into line with any new regulations. We reserve the right to modify our product ranges, our products and their manufacturing processes, as well as all the provisions of our publications, at any time and without prior notice. This data sheet cancels and replaces all previous editions. We expressly draw the attention of all users to the fact that our product has not been designed and tested for use in the nuclear and aeronautical fields ("embedded" product). Any use of our product in the aforementioned sectors is the sole responsibility of the user. Reproduction in any form requires the prior written consent of FLF, all rights reserved.