

Klübersynth BH 72-422

High-temperature lubricating grease for low-speed bearings

Benefits for your application

- **Longer service life compared to conventional greases based on ester oils**
 - o due to the extremely high ageing stability of the PFPE oil contained in the lubricant
 - **Lower lubricant costs compared to perfluorinated polyether greases**
 - o due to patented hybrid grease formulation
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Description

Klübersynth BH 72-422 is a synthetic high-temperature grease with a patented formulation based on ester and perfluorinated polyether (PFPE) oils. The outstanding characteristics of this innovative lubricant are good oil retention when subjected to thermal load and excellent thermal stability, enabling the product to withstand short-term temperature peaks well above a service temperature of approx. 150°C, which is typical of this type of application. Klübersynth BH 72-422 fills the “operating temperature gap“ between conventional products based on hydrocarbon oils and pure PFPE lubricants (see diagramme overleaf). In many applications it is therefore possible to do without pure PFPE lubricants. However, a permanent operating temperature of 180°C should not be exceeded in highly loaded roller bearings.

Application

Klübersynth BH 72-422 can be used for low-speed bearings and guides subject to high permanent temperatures, e.g. in calenders and conveyors.

Klübersynth BH 72-422 is listed in the lubrication charts of the leading manufacturers in the wood board, rubber and plastics as well as textile industries.

Application notes

Klübersynth BH 72-422 can be used in rolling bearings without having to remove the

anticorrosion film first. The product is even miscible with pure PFPE/PTFE greases. However, to ensure optimum performance, we recommend to always clean surfaces thoroughly before applying the Klübersynth BH 72-422 for the first time. Klübersynth BH 72-422 can be removed using an organic solvent. Compatibility with the material contact should be checked especially prior to series application.

Minimum shelf life

The minimum shelf life is approx. 36 months if the product is stored in its unopened original container in a dry, frost-free place.

Pack sizes

500 g cartridge
600 g can
30 kg bucket

Other pack sizes available upon request.

Material Safety Data Sheets

Material safety data sheets can be downloaded or requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

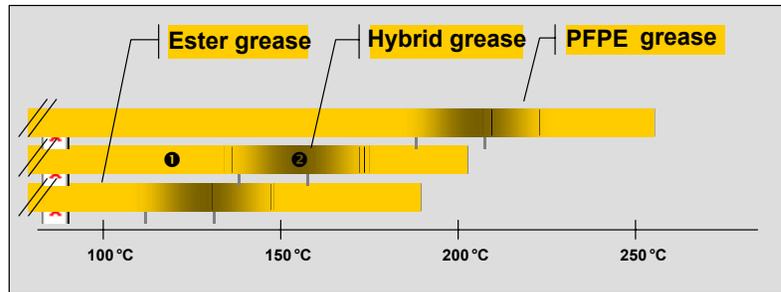




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Typical operating temperature intervals* of high-temperature greases



Hybrid greases fill the operating temperature gap between conventional greases and PFPE lubricants.

- ① typical operating temperature interval
- ② typical ideal working temperature

Product data	Klübersynth BH 72-422
Article number	094072
Chemical composition	Ester oil, PFPE, polyurea
Operating temperature range,* [°C]	-20 to 220
Colour	beige
Density at 20 °C, [g/cm ³], approx.	1.30
Consistency grade, DIN 51818, NLGI grade	2
Corrosion protection, DIN 51802, (SKF-EMCOR), test duration 1 week, distilled water	≤ 1
Base oil viscosity, calculated**, at 40 °C, [mm ² /s], approx.	420
at 100 °C, [mm ² /s], approx.	34
Flow pressure, DIN 51 805, [mbar] (-20 °C)	≤ 1400
Drop point, DIN ISO 2176; [°C]	≥ 250

* Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechano-dynamical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

** Base oils not miscible, theoretical value for orientation only

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