Klübersynth BH 72-422

High-temperature grease for slow-running bearings

Your benefits at a glance

- Longer service life than with conventional ester-based greases as the lubricant contains PFPE oil that is extremely resistant to ageing
- Innovative hybrid grease technology entails significantly lower consumption cost than with perfluorinated polyether greases
- Miscibility with all conventional grease types enables changeover without cleaning
- Low-density product for high volume yield compared to fully fluorinated lubricants

Your requirements - our solution

Are you an OEM or operator using rolling bearings at temperatures above 160 °C? Would you like to have an innovative grease closing the "service temperature gap" between conventional, hydrocarbon-based and pure PFPE lubricants? We now offer Klübersynth BH 72-422, a synthetic high-temperature grease containing ester as well as perfluorinated polyether (PFPE) oils, and a PTFE thickener.

This grease shows good oil retention at high temperature and is thermally stable, which enables Klübersynth BH 72-422 to extend your relubrication intervals at operating temperatures above 160 °C up to 220 °C.

A special feature of Klübersynth BH 72-422 reducing costs is that its density is approx. 1/3 lower than that of PFPE-based lubricants, which results in a higher volume yield.

Application

Among the many applications of Klübersynth BH 72-422 are rolling bearings and guideways running at low speeds, high permanent temperatures and high loads (max. 180 °C at C/P < 8). These may be found in:

- Calender or felt-carrying rolls in the pulp and paper industry
- Machines in the wood-panel, rubber and plastics industries
- Drying cylinders

Application notes

You can use Klübersynth BH 72-422 to relubricate rolling bearings without prior cleaning even if they have been running with pure PFPE/PTFE, ester, silicone or mineral oil greases. To ensure even better adhesion of the lubricant, it may be advisable to clean the friction point of anticorrosive agent prior to initial lubrication. If the anticorrosive layer is thin, however, cleaning is not necessary. We will be pleased to give advice on the optimisation of lubricant life.

Material safety data sheets

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

Pack sizes	Klübersynth BH 72-422
Cartrigde 500 g	+
Can 600 g	+
Bucket 7 kg	+
Bucket 30 kg	+
Drum 180 kg	+
Cartrigde PET Klübermatic PRO 500 ml	+

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Characteristics	Klübersynth BH 72-422
Article number	094072
Chemical composition, type of oil	ester oil
Lower service temperature	-20 °C
Upper service temperature	220 °C
Colour space	beige
Chemical composition, thickener	polyurea
NLGI grade, DIN 51818	2
Density at 20 °C	ca. 1,19 g/cm³
Drop point, DIN ISO 2176, IP 396	>= 250 °C
Flow pressure of lubricating greases, DIN 51805, test temperature: -20 °C	<= 1400 mbar
Base oil viscosity at 40 °C, calculated value	ca. 420 mm²/s
Base oil viscosity at 100 °C, calculated value	ca. 34 mm²/s
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months

Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 90 years.

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