Klübersynth HB 74-401

Synthetic long-life high-temperature grease

Your benefits at a glance

- Extended component life due to good antiwear effect and corrosion protection
- Cost reduction due to longer relubrication intervals even at elevated temperatures through synthetic grease technology
- Wider service temperature range allows lubricant stock rationalisation

Your requirements - our solution

Klübersynth HB 74-401 is a lubricating grease containing a high-quality synthetic base oil and a polyurea thickener. This combination enables long-term lubrication over a wide temperature range. The high base oil viscosity and special additives help to attain good wear protection under high loads.

Application

Klübersynth HB 74-401 is preferably used in rolling and plain bearings exposed to high temperature, e.g. in the steel or cement industries. Applications include:

- drive rollers in continuous casting installations
- conveyor roller bearings in continuous furnaces
- roller bearings in vertical mills
- pinion support bearings

Application notes

Klübersynth HB 74-401 can be applied by means of spatula, brush, grease gun or centralised lubricating systems. Ideally, all lubrication points should be cleaned and old grease be removed prior to the application of Klübersynth HB 74-401. If the friction points cannot be cleaned for technical reasons, we recommend replacing the existing grease by more frequent relubrication in the initial phase after changeover.

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 HB 74-401
Cartrigde 370 g	+
Can 1 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Characteristics	Klübersynth HB 74-401
Article number	004282
Composition, thickener	polyurea
Composition, type of oil	synthetic hydrocarbon oil
Colour space	beige
Texture	homogeneous , long fibrous

Klübersynth HB 74-401

Synthetic long-life high-temperature grease

Characteristics	Klübersynth HB 74-401
Service temperature, lower limit	-40 °C
Service temperature, upper limit	200 °C
Density, Klüber method: PN 024, 20°C	approx. 0.85 g/cm³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	280 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	310 0.1 mm
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s^{-1}, lower limit	3000 mPas
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s^{-1}, upper limit	5500 mPas
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C, lower limit	38 mm²/s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C, upper limit	42 mm²/s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C, lower limit	380 mm²/s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C, upper limit	430 mm²/s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
Oil separation, DIN 51817 N, 168 h, 40°C	≤ 5 % by weight
Flow pressure, DIN 51805-2, -40°C	≤ 1400 mbar
Dropping point, DIN ISO 2176 / IP 396	≥ 230 °C
FAG FE9 rolling bearing test, DIN 51821-2, 1500 / 6000-180, service life F50	≥ 100 h
Speed factor (n x dm)	approx. 500000 mm/min
Water resistance, DIN 51807-1, 3 h, 90°C	0 - 90 rating
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 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.

Klüber Lubrication München GmbH & Co. KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.