Klüberlub BEM 41-122

Special lubricating grease with light coloured solid lubricants for slow, oscillating movements

Your benefits at a glance

- for pivoting bearings, rolling and plain bearings
- for high surface pressure
- for slow oscillating movements
- long-term lubrication due to formation of tribolayers
- reduces tribocorrosion

Your requirements - our solution

Klüberlub BEM 41-122 is based on a mixture of mineral oil and synthetic hydrocarbon oil thickened with a special lithium soap and light coloured solid lubricants.

The special structure of Kluberlub BEM 41-122 combines with the friction surface to form wear-resistant tribo-layers. Such tribo-layers reduce wear and prevent tribocorrosion, thus increasing the component's service life. In addition the special additives contained in Klüberlub BEM 41-122 improve the general oxidation stability and corrosion protection of the lubricant.

Application

Klüberlub BEM 41-122 has been designed specially for lubrication of pivoting rolling and plain bearings subject to high surface pressure and slow oscillating movements in the mixed friction regime. The product is especialy suitable for steel/steel bearings to prevent premature failure and scuffing damage.

Such bearings can be found in the automotive and aviation industry, building machinery, agriculture and forestry machinery.

Application notes

Klüberlub BEM 41-122 may be applied by brush, spatula, grease gun or cartridge. Pumpability in automatic lubrication systems should be checked prior to longer term use.

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	Klüberlub BEM 41-122
Cartrigde 450 g	+
Can 1,2 kg	+
Bucket 30 kg	+
Drum 200 kg	+

Characteristics	Klüberlub BEM 41-122
Article number	020158
Composition	solid lubricant
Composition, thickener	lithium complex soap
Composition, type of oil	mineral oil , synthetic hydrocarbon oil

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Characteristics	Klüberlub BEM 41-122
Colour space	yellow
Service temperature, lower limit	-30 °C
Service temperature, upper limit	140 °C
Density, Klüber method: PN 024, 20°C	approx. 1.10 g/cm³
NLGI grade, DIN 51818	2
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	265 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	295 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 15 mm²/s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 130 mm²/s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 164 h	1 corrosion degree
Flow pressure, DIN 51805-2, -30°C	≤ 1400 mbar
Dropping point, DIN ISO 22286 / IP 396	≥ 190 °C
Four-ball tester, welding load, DIN 51350-4	≥ 3500 N
Speed factor (n x dm)	approx. 400000 mm/min
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 95 years.

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