Klüberlub BE 41-1251 BH

Heavy-duty grease for highly loaded roller and plain bearings operating at low speeds

Benefits for your application

- Good load-carrying capacity at low rotational speeds
- Reliable lubricant film formation at high service temperatures up to 120°C
- Emergency lubricating properties due to the addition of special solid lubricants

Your requirements – Our solution

Roller and plain bearings subjected to heavy and shock loads. During such high loads, if the bearing is starved of lubricant, it affects the service life of the bearings. In addition to the heavy load, sometimes high-temperatures play their part in starving the bearings of the lubricant. The requirements of a lubricant for such bearings is to withstand the heavy to severely heavy loads on them at high temperature and maintain a reliable lubricating film.

Klüberlub BE 41-1251 BH is designed to meet the requirements of roller and plain bearings subjected to extreme conditions. The appropriate combination of base oil and additives enables improved wear protection.

During high load conditions, if the lubricating film becomes adversely stressed, the solid lubricants MoS_2 and graphite contained in Klüberlub BE 41-1251 BH ensure excellent emergency lubrication providing additional reliability in the event of starved lubrication. Klüberlub BE 41-1251 BH also provides excellent corrosion protection.

Application

Klüberlub BE 41-1251 BH can be used to reduce friction and wear on mechanisms exposed to very high loads, to prevent bearings from abrasive build up, prevent corrosion and to provide lubrication in the presence of water. Its high base oil viscosity and water resistance soap texture makes it ideal for heavily loaded slow speed bearings operating under shock load conditions.

Application notes

Klüberlub BE 41-1251 BH can be applied by grease gun, brush or spatula. Pumpability in central lubrication systems is good.

Minimum shelf life

The minimum shelf life is approximately 24 months if the product is stored in its unopened original container in a cool and dry place.

Do not expose the product to direct sunlight.

Material Safety Data Sheets

Material safety data sheets can be obtained through your contact person at Klüber Lubrication India Pvt Ltd.

Pack Size	Klüberlub BE 41-1251 BH
Drum 180 Kg	+
Bucket 30 Kg	+

a brand of FREUDENBERG

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Product data	Klüberlub BE 41-1251 BH
Article Number	318252
Base oil	Mineral Oil
Solid Lubricants (MoS_2 + Graphite)	Approx. 5%
Colour	Gray-Black
Density at 25°C	Approx. 0.940 g/cm³
Service temperature range	-10 °C to 120 °C
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40°C	Approx. 1250 mm²/sec
NLGI grade, ASTM D 217	1
Worked Penetration @ 25°C, ASTM D 217	310 - 340, 0.1mm
Copper corrosion, ASTM D 4048, at 100°C for 3 hours	Rating 1
Drop point, ASTM D 2265	>= 180 °C
Water resistance static, DIN 51807 part 1; 3 hours 90 °C	Rating 1
Four ball test weld load, DIN 51350	3800 N

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 80 years.

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