Klüberfood NH1 11-572

Lubricating grease for the food-processing and pharmaceutical industries

Your benefits at a glance

- Considerable cost savings possible through
  - attractive price-performance ratio
  - reduced lubricant consumption
- Longer maintenance intervals due to good load-carrying capacity and good resistance to wear and corrosion
- Easy and convenient application due to good pumpability and metering via centralised lubrication systems
- NSF H1 registered and ISO 21469 certified – supports compliance with the hygienic requirements of your production You will find further information about ISO Standard 21469 on our website www.klueber.com

Your requirements - our solution

As an operator or OEM of large installations where rolling bearings run under high loads, you have to observe a wide variety of influences: to ensure trouble-free operation, reduce downtime and, above all, increasing pressure for cost savings. Our H1-registered Klüberfood NH1 11-572 is both a high-performance and attractively priced lubricating grease based on white oil and aluminium complex soap thickener.

Klüberfood NH1 11-572 offers strong antiwear properties, very good adhesion and resistance to water. This grease is also highly resistant to oxidation and protects your bearings reliably against corrosion. All these effects help to reduce your maintenance expenses at a very moderate lubricant purchase cost.

The wide service temperature range of Klüberfood NH1 11-572 supports optimum lubricant supply to your rolling bearings. Customers' experience has shown that with continuous relubrication the product can be used up to 140 °C.

Klüberfood NH1 11-572 is NSF H1-registered and therefore complies with FDA 21 CFR § 178.3570. The lubricant was developed for incidental contact with products and packaging materials in the food-processing, cosmetics, pharmaceutical or animal feed industries. The use of Klüberfood NH1 11-572 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

Application

Klüberfood NH1 11-572 is used for the lubrication of rolling bearings of machines and installations in the food-processing industry, e.g. in the processing of grain, meal and pellet animal feeds. Besides lubrication directly at the individual lube point by means of grease gun or lubricant dispenser, Klüberfood NH1 11-572 can also be applied to medium-temperature areas conveniently via centralised lubrication systems, e.g. bearings or rollers in animal feed pellet presses.

Application notes

Klüberfood NH1 11-572 can be applied by standard commercial grease application equipment, e.g. spatula, grease gun or via central lubrication systems.

Before applying Klüberfood NH1 11-572, all lubrication points should be thoroughly cleaned to ensure maximum hygiene conditions exist. This is highly recommended for food-safe H1 lubrication. If your production process does not allow cleaning, we recommend you to replace the existing grease by purging the system during relubrication.

Please do not hesitate to contact our technical consultants and sales departments to discuss grease miscibility, relubrication procedures, etc. If you wish to optimise the service life of your equipment or have any other questions regarding your application, our experts will be pleased to help you.

For more details on MOSH/MOAH and their assessment in H1 lubricants, please visit our website or contact your Klüber representative.

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.

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Pack sizes	Klüberfood NH1 11-572
Cartridge 400 g	+
Bucket 25 kg	+
Drum 180 kg	+

Characteristics	Klüberfood NH1 11-572
Article number	096162
Composition, thickener	aluminium complex soap
Composition, type of oil	white oil
Colour space	white
Texture	homogeneous
Service temperature, lower limit	-15 °C
Service temperature, upper limit	120 °C
NSF H1 registration number	154609
Density, Klüber method: PN 024, 20°C	approx. 0.92 g/cm³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	285 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	315 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. 45 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. 565 mm²/s
Flow pressure, DIN 51805-2, -15°C	≤ 1400 mbar
Dropping point, DIN ISO 22286 / IP 396	≥ 230 °C
Four-ball tester, welding load, DIN 51350-4	≥ 3500 N
SKF FTG 2, Klüber method: equipment: SKF Lub System, 24 h, 25°C, oil separation under compressive load with evidence of thickener curing	≤ 0.5 mm
Water resistance, DIN 51807-1, 3 h, 90°C	1 - 90 rating
Mineral Oils associated with, MOAH (Mineral Oil Aromatic Hydrocarbons), (Information based on recipe. The presence of impurities, cannot be ruled out.)	No component of recipe
Mineral Oils associated with, MOSH (Mineral Oil Saturated Hydrocarbons), (Information based on recipe. The presence of impurities, cannot be ruled out.)	Component of recipe
Per- and polyfluoroalkyl substance (PFAS), (Information based on recipe. The presence of impurities, cannot be ruled out.)	No component of recipe
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months

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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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