

广州孚润 400-992-6811

Klübersynth MZ 4-17

Lubricating and corrosion protection oil with good low-temperature properties



Benefits for your application

- No residue formation or gumming due to fully synthetic product formulation
- Higher machine availability and less maintenance as the product supports smooth running at low temperatures, due to the good wear protection and due to good corrosion protection even when exposed to salt water
- Safe application as the product is free from solvents

Description

Klübersynth MZ 4-17 is a fully synthetic lubricating and corrosion protection oil with good low-temperature properties. Apart from protecting against corrosion even when exposed to salt water, Klübersynth MZ 4-17 shows good antiwear properties.

Klübersynth MZ 4-17 provides excellent separating properties, low consumption due to high thermal stability, and a long service life owing to the good antiwear properties. Klübersynth MZ 4-17 can also be used for the cleaning of corrugated rolls as it offers a good dissolving effect without forming residues.

Application

Klübersynth MZ 4-17 has been designed for the preservation of rolling bearings prior to lubrication with synthetic lubricants. Furthermore, this product can be used as a corrosion protective agent on machines, installations and components in cold storage houses, aviation and navigation. This low-viscous, fully-synthetic oil improves smooth running of components and machine elements especially at low temperatures down to -50 °C. Klübersynth MZ 4-17 has proven successful for the corrosion protection of tools, hunting and sporting weapons. Due to its good antiwear properties it can also be used as a lubricating oil. Klübersynth MZ 4-17 can also be used for the lubrication of longitudinal cutters in cardboard manufacture.

Application notes

Klübersynth MZ 4-17 is applied by drip-feed lubrication, automatic lubrication systems, oil feeder or by brush. It is also available as spray.

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 MZ 4-17 | Klübersynth MZ 4-17 Spray |
|--------------------|---------------------|---------------------------|
| Drum 200 l | + | - |
| Aerosol can 400 ml | - | + |

Note

Except for the article number and the minimum shelf life, the spray data below refer to the solvent-free spray agent.

| Product data | Klübersynth MZ 4-17 | Klübersynth MZ 4-17 Spray |
|-----------------------------------|---------------------------|---------------------------|
| Article number | 047122 | 081258 |
| Chemical composition, type of oil | ester oil | ester oil |
| Chemical composition, type of oil | synthetic hydrocarbon oil | synthetic hydrocarbon oil |



Klübersynth MZ 4-17

Lubricating and corrosion protection oil with good low-temperature properties

| Product data | Klübersynth MZ 4-17 | Klübersynth MZ 4-17 Spray |
|--|--------------------------------|-----------------------------|
| Lower service temperature | -50 °C / -58 °F | -50 °C / -58 °F |
| Upper service temperature | 150 °C / 302 °F | 150 °C / 302 °F |
| Colour space | brown | brown |
| Appearance | clear to slightly turbid | clear to slightly turbid |
| Density, DIN 51757, 20 °C | approx. 0.86 g/cm ³ | 0.86 g/cm ³ |
| Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus | >= 160 °C | >= 160 °C |
| Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C, lower limiting value | 18 mm ² /s | 18 mm ² /s |
| Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C, upper limiting value | 22 mm ² /s | 22 mm ² /s |
| Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, -40 °C | <= 5 000 mm ² /s | <= 5 000 mm ² /s |
| Fog test, FTMS 791C-4001.3, 5 % NaCl, 35 °C / 72 h, based on DIN 51358 | <= 1 corrosion degree | <= 1 corrosion degree |
| Pour point, DIN ISO 3016 | approx. -57 °C | <= -57 °C |
| Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx. | 60 months | 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 80 years.

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

The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

Publisher and Copyright: Klüber Lubrication München SE & Co. KG. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication München SE & Co. KG and if source is indicated and voucher copy is forwarded.