

Klübersynth CHM 2

High-temperature oils for transmission, lifting and conveyor chains



Benefits for your application

- Cleaner chains due to lower residue formation
- Low evaporation rates resulting in lower consumption
- Low maintenance costs, as residues are soluble in fresh oil
- Reduced investment and repair costs due to extended chain life
- Low friction values reduce power consumption and CO₂ emission liability

Description

The high-temperature oils of the Klübersynth CHM 2 series are manufactured on the basis of ester mixtures. These fully synthetic oils show good wear protection, low formation of residues (which are soluble in fresh oil) and high thermal stability. Their high lubricity increase operational reliability and extend the service life of machines.

Application

Klübersynth CHM 2 oils are suitable for transmission, lifting and conveyor chains up to approx. 250 °C in the following industries:

- **Conveyors** – e.g. surface coating, metal coating, white goods, furniture
- **Drying installations** – e.g. rock wool or gypsum board manufacture

Application notes

Klübersynth CHM 2 oils can be applied by means of commercial lubricating equipment.

In case of contact with elastomers and plastics their resistance to Klübersynth CHM 2 oils should be checked.

In view of the many different paint systems and testing criteria, paint compatibility tests should be performed by the user prior to series application.

Long chain life can be achieved by continuous minimum quantity lubrication. Please contact our technical sales staff for advice on optimised relubrication intervals and quantities.

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 CHM 2-220	Klübersynth CHM 2-100
Canister 5 l	+	+
Canister 20 l	+	+
Drum 200 l	+	+

Product data	Klübersynth CHM 2-100	Klübersynth CHM 2-220
Article number	002156	002170
Chemical composition, type of oil	ester oil	synthetic hydrocarbon oil
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Lower service temperature	-10 °C / 14 °F	-5 °C / 23 °F
Upper service temperature	250 °C / 482 °F	250 °C / 482 °F



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Product data	Klübersynth CHM 2-100	Klübersynth CHM 2-220
Colour space	yellow	yellow
Appearance	clear	
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 100 mm ² /s	approx. 220 mm ² /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 13.5 mm ² /s	approx. 22 mm ² /s
Viscosity index, DIN ISO 2909	>= 120	>= 115
Density, DIN 51757, 20 °C	approx. 0.97 g/cm ³	approx. 0.95 g/cm ³
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	>= 250 °C	
Copper corrosion, DIN EN ISO 2160, 24 h/150°C	<= 3 - 150 corrosion degree	
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 months	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 80 years.

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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.

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