

Klübersynth CH 2-100 N, 220, 260

High-temperature chain oils



Your benefits at a glance

- Synthetic ester oil for low continuous relubrication quantities at high temperatures up to 250 °C
- Good wear protection results in extended chain life even at temperatures above 200 °C
- Clean chains and easy relubrication due to low residue formation
- No mechanical cleaning of chains required
- Low energy consumption due to low chain friction and good lubricant film formation
- Paint-compatible raw materials to avoid paint defects and reworking

Your requirements - our solution

All chain users aim at minimising lubricant consumption volumes to enhance their profitability. At the same time, they expect good wear protection and low residue formation to keep maintenance costs low.

Our synthetic ester oils clearly meet these requirements. With our Klübersynth CH 2 series, we have found the right solution for you.

Application

The Klübersynth CH 2 series oils were developed for the lubrication of drive, control and conveyor chains operating at high temperatures. Applications of this kind are found, for example, in the surface treatment and coating of industrial goods.

Other possible applications are:

- Conveyors used by automotive suppliers, metalworking companies, furniture and white goods makers
- Driers, e.g. for gypsum boards

Application notes

Klübersynth CH 2 oils can be applied by means of drip lubrication, automatic lubricating systems, oil can or brush.

When using an automatic system, observe the manufacturer's instructions on the maximum allow-able viscosity which can be used. In view of the many different paint systems and testing criteria, paint compatibility tests should be performed by the user prior to series application.

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

Please contact us for support in optimising 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 CH 2-100 N	Klübersynth CH 2-220	Klübersynth CH 2-260	Klübersynth CH 2-100 N Spray
Aerosol can 400 ml				+
Canister 500 ml	+			
Canister 1 l	+		+	
Canister 5 l	+	+	+	
Canister 20 l	+	+	+	
Drum 200 l	+	+	+	

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Hint

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

Characteristics	Klübersynth CH 2-100 N	Klübersynth CH 2-220	Klübersynth CH 2-260	Klübersynth CH 2-100 N Spray
Article number	002135	002127	002126	081306
Composition, type of oil	ester oil	ester oil , synthetic hydrocarbon oil	ester oil , synthetic hydrocarbon oil	ester oil
Appearance	clear	clear	clear	clear
Colour space	yellow	yellow	yellow	yellow
Service temperature, lower limit	0 °C	0 °C	0 °C	0 °C
Service temperature, upper limit	250 °C	250 °C	250 °C	250 °C
Density, DIN 51757, 20°C	approx. 0.91 g/cm ³	approx. 0.92 g/cm ³	approx. 0.91 g/cm ³	approx. 0.91 g/cm ³
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 14 mm ² /s	approx. 25 mm ² /s	approx. 28 mm ² /s	approx. 14 mm ² /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 100 mm ² /s	approx. 220 mm ² /s	approx. 260 mm ² /s	approx. 100 mm ² /s
Viscosity index, DIN ISO 2909	≥ 135	≥ 130	≥ 140	≥ 135
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months	36 months	36 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 95 years.

Klüber Lubrication München GmbH & 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.

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