

# Klübersynth CH 2 series

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

Klüberoil 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](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

| Pack sizes         | Klübersynth CH 2-100N | Klübersynth CH 2-100N Spray | Klübersynth CH 2-220 | Klübersynth CH 2-260 |
|--------------------|-----------------------|-----------------------------|----------------------|----------------------|
| Canister 5 l       | +                     | -                           | +                    | +                    |
| Canister 20 l      | +                     | -                           | +                    | +                    |
| Drum 200 l         | +                     | -                           | +                    | +                    |
| Aerosol can 400 ml | -                     | +                           | -                    | -                    |



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| Product data   | Klübersynth<br>CH 2-100 N      | Klübersynth<br>CH 2-100N<br>Spray | Klübersynth<br>CH 2-220        | Klübersynth<br>CH 2-260        |
|--|--------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| Article number   | 002135                         | 081306                            | 002127                         | 002126                         |
| Lower service temperature  | 0 °C / 32 °F                   | 0 °C / 32 °F                      | 0 °C / 32 °F                   | 0 °C / 32 °F                   |
| Upper service temperature  | 250 °C / 482 °F                | 250 °C / 482 °F                   | 250 °C / 482 °F                | 250 °C / 482 °F                |
| Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C   | approx. 14 mm <sup>2</sup> /s  | approx. 14 mm <sup>2</sup> /s     | approx. 25 mm <sup>2</sup> /s  | approx. 28 mm <sup>2</sup> /s  |
| Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C  | approx. 100 mm <sup>2</sup> /s | approx. 100 mm <sup>2</sup> /s    | approx. 220 mm <sup>2</sup> /s | approx. 260 mm <sup>2</sup> /s |
| Viscosity index, DIN ISO 2909  | >= 135                         | >= 135                            | >= 130                         | >= 140                         |
| Density, DIN 51757, 20 °C  | approx. 0.91 g/cm <sup>3</sup> | approx. 0.91 g/cm <sup>3</sup>    | approx. 0.92 g/cm <sup>3</sup> | approx. 0.92 g/cm <sup>3</sup> |
| Appearance   | clear                          | clear                             | clear                          | clear                          |
| Chemical composition, type of oil  | ester oil                      | ester oil                         | ester oil                      | ester oil                      |
| Chemical composition, type of oil  |                                |                                   | synthetic hydrocarbon oil      | synthetic hydrocarbon oil      |
| Colour space   | yellow                         | yellow                            | yellow                         | yellow                         |
| Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx. | 24 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 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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