

Klüberfood NH1 CX 4-220

Adhesive chain oil for the food-processing industry



Your benefits at a glance

- Good adhesiveness and penetration properties of the oil help avoid drip-off
- Good antiwear behaviour of the oil leads to longer chain life
- Easy application at room temperature
- NSF H1 registration for increased process reliability
- ISO 21469-certified - supports compliance with the hygienic requirements in your production plant. You will find further information on ISO standard 21469 on our website www.klueber.com.

Your requirements - our solution

Operators and OEMs of food machines have to meet constantly growing requirements: failure-free operation, reduced downtime and, most importantly, the prevention of food contamination. This cannot be fully attained with conventional chain oils.

Klüberfood NH1 CX 4-220 is an efficient lubricant for chains operating at room temperature. Due to a unique combination of high-viscosity oil and carrier fluid, the oil is adhesive and at the same time has good penetration properties to extend relubrication intervals and achieve good chain life.

Application

Klüberfood NH1 CX 4-220 is a fully synthetic chain oil that was especially developed for the lubrication of overhead chains in slaughterhouses and meat production areas.

It can also be used for applications in the chocolate industry or other food-processing sectors.

Application notes

This product can be applied by brush or through centralised lubrication systems. However, we recommend not to leave the oil in the centralised lubrication system for a long time without running. Relubrication should be performed at temperatures <60 °C or after the chain has cooled down.

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	Klüberfood NH1 CX 4-220
Canister 1 l	+
Canister 20 l	+
Drum 200 l	+

Product data	Klüberfood NH1 CX 4-220
Article number	050133
NSF-H1 registration	150 529
Chemical composition, type of oil	ester oil
Chemical composition, type of oil	synthetic hydrocarbon oil
Chemical composition, solvent	synthetic isoparaffin
Lower service temperature	-40 °C / -40 °F
Upper service temperature	85 °C / 185 °F
Colour space	yellow



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Product data	Klüberfood NH1 CX 4-220
Density, DIN 51757, 20 °C	approx. 0.84 g/cm ³
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 20 °C	approx. 500 mm ² /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 185 mm ² /s
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	>= 85 °C
Pour point, DIN ISO 3016	<= -40 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	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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