

Klübersynth CHZ 2-225

Special high-temperature oil for minimum residue formation in sliding chain systems in biaxial film stretchers



Your benefits at a glance

- Improved lubricant formulation enables high chain speeds
- Easy machine maintenance due to low residue formation
- Higher machine availability provides increased productivity
- Long chain life due to low wear rate
- High energy efficiency due to optimised lubricating effect

Your requirements - our solution

Operators of film stretchers attach great importance to machine availability and energy costs to secure profitable production. The chain oil used has a major influence on these factors. Varnish build-up can prevent penetration of sufficient lubricant to the friction points at the chain pins and the guide rail. This may lead to higher friction, requiring more lubricant. This will in turn lead to further contamination, making premature cleaning of the whole machine (TDO) necessary - a costly and time-consuming procedure. Downtime is inevitable, leading to less machine availability. Our aim is therefore to extend your maintenance intervals and reduce the cost of maintenance operations.

With Klübersynth CHZ 2-225, the chain oil family for film stretchers made by Klüber Lubrication has been consistently upgraded. Over 40 years of cooperation and partnership with film stretcher OEMs and operators has helped us build sound technical expertise in the development of high-temperature chain oils.

Klübersynth CHZ 2-225 offers you an ideal solution for the continuous operation of film stretchers. Our product Klübersynth CHZ 2-225 is a special chain oil based on ester that was developed in our R&D lab together with our customers. Klübersynth CHZ 2-225 contains special additives to reduce the adhesion of residues in the chain system to a minimum. This means the friction points can be supplied with sufficient lubricant for many months or even years. Premature cleaning is no longer necessary, intervals between residue-induced maintenance operations become longer and machine availability increases. Optimised lubrication reduces energy consumption over the service life of the machine. The product can also cope with long-term operation at high speeds.

Klübersynth CHZ 2-225 therefore offers film stretcher operators high machine availability and high cost efficiency, extreme performance combined with high profitability. This makes it the most advanced product in our successful series of chain oils.

Application

Klübersynth CHZ 2-225 is a fully synthetic high-temperature oil that was especially developed for the requirements of conveyor chain sliding systems and pins in biaxial high-speed film stretchers. Oven temperatures may be higher than 200 °C in these applications. The machine may run at high speed.

Application notes

Klübersynth CHZ 2-225 is miscible with all Klüber chain oils offered for biaxial film stretchers, except PRIMIMUM FLUID SPECIAL. It is therefore not necessary to use a special cleaning or flushing oil for an oil changeover. We recommend, however, to clean the chain system and all machine parts in contact with the oil before filling in the new lubricant so that it can unfold its full benefits. For this purpose, we recommend using our chain cleaning and lubricating oil Klübersynth CZ 2-85.

When changing over from chain oils made by other manufacturers, please ask for advice.

Oil reservoirs and inspection ports must be made of mineral glass. They must not be made of PMMA or PC. If other thermoplastic materials are to be used, compatibility has to be checked.

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.

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Pack sizes	Klübersynth CHZ 2-225
Canister 20 l	+
Drum 200 l	+

Characteristics	Klübersynth CHZ 2-225
Article number	002172
Composition, type of oil	ester oil
Appearance	clear - turbid
Colour space	yellow
Service temperature, upper limit	240 °C
Flash point, DIN EN ISO 2592, Cleveland open cup	≥ 250 °C
Kinematic viscosity, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 19 mm ² /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 225 mm ² /s
Viscosity index, DIN ISO 2909	≥ 85
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	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 90 years.

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