

# Klübersynth CH 2-680

High-temperature chain oil for continuous wood panel presses



## Benefits for your application

- Reduced energy consumption and improved efficiency due to advanced additives, especially at very high temperatures; highly viscous
- No lacquer-like residues formed under continuous total loss lubrication conditions
- Reduced oil consumption and fume formation due to low evaporation losses at high temperatures
- Good adhesion and spreading properties, minimised contamination risk and reliable lubricant supply to all friction points

## Description

Klübersynth CH 2-680 is a highly viscous, thermally stable ester oil for continuous wood presses of the latest generation operating under very high temperatures and high press speeds. Klübersynth CH 2-680 is an advanced product based on the oils of the HOTEMP series and shows a lower evaporation loss at temperatures > 200°C and a higher wear protection.

## Application

Klübersynth CH 2-680 is used in continuous belt presses for the manufacture of fibreboards like particle, MDF, HDF, OSB and LVL products. The most complex lubrication points on the moving parts in the heating and compression area are:

- steel belts, chain carpets, heating plates
- roller bar chains

Friction points, i.e. steel belt and roller bar carpets are fully exposed to the heating/compression temperature.

## Application notes

According to the experience we gained on our test rigs and in practice, Klübersynth CH 2-680 does not form any lacquer-like residues when properly applied, i.e. if belts, roller bars, chains and slide rails are always covered with an oil film. However, extremely high temperatures in combination with insufficient lubrication may lead to the formation of powdery residues. When applying fresh oil in time, such residues will be regenerated and ensure proper lubricant supply to the friction points.

## 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 2-680
Drum 200 l	+
Container 1000 l	+

Product data	Klübersynth CH 2-680
Article number	002130
Chemical composition, type of oil	synthetic hydrocarbon oil
Chemical composition, type of oil	ester oil
Lower service temperature	0 °C / 32 °F
Upper service temperature	250 °C / 482 °F
Appearance	clear
Colour space	yellow
Density, DIN 51757, 20 °C	approx. 0.93 g/cm <sup>3</sup>
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 680 mm <sup>2</sup> /s



# Klübersynth CH 2-680

High-temperature chain oil for continuous wood panel presses

Product data	Klübersynth CH 2-680
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 60 mm <sup>2</sup> /s
Copper corrosion, DIN EN ISO 2160, 24 h/150°C	<= 2 - 150 corrosion degree
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	>= 270 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 months

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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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