

HOTEMP SUPER N PLUS

High-temperature oil for continuous wood panel presses



Benefits for your application

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

Description

HOTEMP SUPER N PLUS is a special high-temperature oil for use on the latest generation of continuous board presses subject to highest process temperatures and speeds.

HOTEMP SUPER N PLUS is an advanced product based on the HOTEMP...series with further development in terms of evaporation losses at temperatures between 230 and 260 °C.

No lacquer-like residues are formed under continuous total loss lubrication conditions. The special additives contained in HOTEMP SUPER N PLUS ensure good wear protection, spreading properties and stable lubricating film generation.

Application

For use in continuous belt presses manufacturing fibreboard, such as particle, MDF, HDF, OSB or LVL boards.

The product has been designed especially for use in the following systems:

ContiRoll® of Messrs. Siempelkamp

Conti-Panel-System of Messrs. Dieffenbacher

küsters press®/contipress™ of Messrs. Metso/Küsters

Complex lubrication points in the heating and compression area are:

- steel belts, roller rod carpets, heating platens
- roller bar chains
- contact-pressure and alignment chains

or

- steel belts, beds of special roller chains, heating platens

The friction points, i.e. steel belts & roller rods, are fully exposed to heating and compression temperatures. Chains are exposed to radiant heat typically at temperatures of 160 °C to 190 °C.

The other chains, pins and bending rods are lubricated with other HOTEMP SUPER products depending on machine design and operating conditions.

Application notes

According to the experience we gained on our test rigs and in practice, HOTEMP SUPER N PLUS 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. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	HOTEMP SUPER N PLUS
Drum 200 l	+
Container 1000 l	+



HOTEMP SUPER N PLUS

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Product data	HOTEMP SUPER N PLUS
Article number	002075
Chemical composition, type of oil	ester oil
Chemical composition, type of oil	synthetic hydrocarbon oil
Appearance	clear
Colour space	yellow
Upper service temperature	250 °C / 482 °F
Density, DIN 51757, 20 °C	approx. 0.92 g/cm ³
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 260 mm ² /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 28 mm ² /s
Viscosity index, DIN ISO 2909	>= 140
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	>= 260 °C
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 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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