HOTEMP PLUS

High-temperature chain oil

Benefits for your application

- **Efficient lubrication even at high operating temperatures**
- **Good regeneration effect on used oil**
- **Favourable viscosity-temperature properties for safe cold starts**
- **Outstanding penetration properties for rapid formation of the lubricating film**
- **Good adhesion, no throwing off**
- **Resistance to wear and pressure**
- **Little residue owing to fully synthetic constituents**
- **Efficient against the settling of finishing and softening compounds and their condensates at the point of friction**

Description

HOTEMP PLUS is a synthetic high-temperature chain oil for textile and plastic processing machines ensuring reliable operation even at high temperature and stress.

It creeps very well and thus rapidly forms a lubricating film.

Its specific additive combination makes HOTEMP PLUS is highly resistant to pressure and wear. Special adhesion improvers prevent the oil being thrown off the lubrication point.

HOTEMP PLUS is very efficient against the settling of finishing and softening compounds and their condensates at the point of friction. The few residues created by synthetic constituents are easy to regenerate by adding fresh oil.

Application

HOTEMP PLUS is suitable for all oil-lubricated stenter chains such as

- roller chains,
- chains or clips with ball bearings in cases of combined lubrication of bearings, chain joints and slide ways, and
- slide chains with lubrication of slide rails, chain joints and bolts

in equalizing frames, single-layer stenters, tier stenters, festoon driers and steamers as well as installations.

Application notes

HOTEMP PLUS can be applied with all common pumps, spraying or metering equipment. Lubrication intervals and quantities vary with chain design, type of lubrication and operating conditions. At temperatures above 180 °C, you need approx. 1.5 to 2 ml of oil per meter of chain and operating shift.

Chain rails should be lubricated continuously or once a day at a maximum, depending on length of travel and design. Weekly relubrication is often sufficient for chain pins with an oil depot. However, it is better to apply an exact dosage of oil every day than relubricate too late or over-lubricate, especially at high chain speeds.

Chains with a spray lubrication system should be lubricated very sparingly once per shift or day to keep them just oil-moist.

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 +PLUS+
Canister 5 l	+
Canister 20 l	+
Drum 200 l	+

HOTEMP PLUS

High-temperature chain oil

Product data	HOTEMP +PLUS+
Article number	002086
Chemical composition, type of oil	ester oil
Chemical composition, type of oil	synthetic hydrocarbon oil
Upper service temperature	250 °C / 482 °F
Appearance	clear
Colour space	green
Density, DIN 51757, 20 °C	approx. 0.95 g/cm³
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 320 mm²/s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 28 mm²/s
Viscosity index, DIN ISO 2909	>= 110
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	>= 220 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 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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