

perma TEMP SYN 320 (S014)

Previous name: perma High performance oil S014

HIGH-TEMPERATURE CHAIN OIL

perma TEMP SYN 320 (S014) 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. The specific additive combination makes perma High TEMP SYN 320 (S014) highly resistant to pressure and wear. Special adhesion improvers prevent the oil being thrown off the lubrication point.

perma TEMP SYN 320 (S014) 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.

Advantages



EFFICIENT LUBRICATION EVEN AT HIGH OPERATING TEMPERATURES



FAVORABLE 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

Application

perma TEMP SYN 320 (S014) is suitable for all oil-lubricated tenter 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 tenters, tier tenters, festoon driers and steamers as well as installations.

APPLICATION INFORMATION

perma TEMP SYN 320 (S014) is a lubricant especially developed for perma lubrication systems. To ensure adequate metering and maintenance-free lubrication, this product is only available in perma lubrication system. 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.

SHELF LIFE

Shelf life is approx. 12 months if the product is stored in its unopened original container in a dry and frost-protected place.

PACKAGING

- perma lubrication systems
- Bottle 1 ltr
- Bottle 5 ltr

Product data

Chemical composition, type of oil	Ester oil
Chemical composition, type of oil	Synthetic hydrocarbon oil
Upper service temperature	250 °C / 482 °F
Appearance	Clear
Density, DIN 51757, 20 °C	approx. 0.95 g/cm ³
Colour space	Green
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	>= 220 °C
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445 / ASTM D 7042, 100 °C	approx. 28 mm ² /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445 / ASTM D 7042, 40 °C	approx. 320 mm ² /s
Viscosity index, DIN ISO 2909	>= 110



Chains