

# SO14 perma High Performance Oil

High-temperature chain oil

## Description

perma SO14 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 SO14 highly resistant to pressure and wear. Special adhesion improves prevent the oil being thrown off the lubrication point. perma SO14 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

perma SO14 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 notes

perma SO14 is a lubricant especially developed for the perma Lubrication Systems. To ensure adequate metering and maintenance-free lubrication, this product is only available in an 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.

## perma SO14

- Efficient lubrication even at high operating temperatures
- Good regeneration effect on used oil
- 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

## Minimum shelf life

The minimum shelf life is approx. 12 months if the product is stored in its unopened original container in a dry place.

## Pack size

perma Lubrication Systems  
Oil bottle on request

## Source of supply

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## Product data

|  |             |
|--|-------------|
| Base oil   | ester / PAO |
| Cinematic viscosity, DIN 51561,<br>at 20°C, mm <sup>2</sup> /s | 1200        |
| at 40°C, mm <sup>2</sup> /s                                    | 320         |
| at 100°C, mm <sup>2</sup> /s                                   | 28          |
| Colour   | green       |
| Density, DIN 51757, at 20 °C, g/cm <sup>3</sup> , approx.      | 0.95        |
| Viscosity index, DIN ISO 2909                                  | 110         |
| Pourpoint, DIN ISO 3016, °C                                    | -25         |
| Service temperature range, °C                                  | - 20 to 250 |