

TECHNICAL DATA SHEET

PHOS PREP® PP 30 HT – HIGH TEMPERATURE LUBRICATING OIL

Description

PHOS-PREP® PP30 HT is a fortified, high temp, synthetic lubricant for chains/roller ball bearing chains and conveyors operating in temperatures >300°C, which gives excellent load carrying properties and resistance to corrosive atmospheres. PHOS-PREP® PP30 HT is very adhesive to metal surfaces even in the presence of large amounts of water and is non-corrosive on steel, copper, bronze, etc. PHOS-PREP® PP30 HT is H1 registered for use inside food plants and incidental contact.

Benefits

Extremely low evaporation rate increases oil life, reduces Services intervals

Contains no Mineral Oil or Glycols leaving no carbon deposits or build up on chains.

Contains antioxidants, EP/AW additives and corrosion inhibitors for increased performance

Physical Characteristics

Specific Gravity	:	0.98
Appearance	:	Amber Fluid
Pour Point ASTM D97	:	-45°C
Flashpoint (Closed Cup)	:	>300°C
Auto ignition point	:	>400°C
Evaporation Loss	:	6 hr. 200°C < 2.8%
Viscosity @ 40°C ASTM D445	:	100cSt
Viscosity @ 100 °C	:	13cst
Renewable Carbon %	:	65
ISO GRADE	:	100
Viscosity Index	:	145

Typical Applications

- High temperature conveyors in the food industry
 - Bakery Oven Chains
 - Roller Ball Bearing chains on continuous ovens
 - Pin/Roller chain on tunnel, lap, tray ovens
 - Beverage can lines
- High temperature conveyors in powder coating plants. (Silicone free)
- Drying ovens in the Fibre Glass, Fabrics and Plasterboard industries.

H1 Compliant

Automated Lubrication System

When using an Auto-Lube system please ensure the following

- Ensure nozzles are function correctly with no blockages
- Check nozzle alignment to ensure spray is making contact with the chain
- Inspect the chain for visual signs of wear and check monitoring equipment regularly

Health & Safety

Non Toxic
Non Hazardous
For further information please consult our MSDS

Lubrication Examples

There are many variables that can affect the amount or frequency of lubricant required and must be determined through proper trials.

Effecting Factors

- Chain Speed
- Chain Size
- Type of applicator
- Environment (Dust, Moisture etc)

- 250m – 275m of chain
- Operating Temp – 250°C
- 8-10Mins/Cycle
- ** Lubricate every 3hrs/24 cycles**

- 175m of chain
- Operating Temp 230°C to 250°C
- 8-10min cycles
- **Lubricate every 3hrs/20 cycles**

- 200m of Chain
- Operating Temp 250 °C
- 8-10min cycles
- **Lubricate every 3hrs/18 cycles**

- 190m – 240m of Chain
- Operating Temp 220 °C
- 7-10min cycles
- **Lubricate every 4hrs/24 cycles**

If temperatures exceed 300 °C then increase lubrication intervals by 1/2 to 1hr for the above examples.