

High Temperature Chain Lubricant

Description

IT-7483 is a fully synthetic, premium chain lubricant designed for extreme high-temperature applications. It provides excellent thermo-oxidative stability, anti-wear protection, and leaves extremely low residues. The proprietary formulation of IT-7483 provides low volatility and operability over a wide temperature range.

The oil contains oil soluble organo-moly compounds which makes it most suitable for use for most extreme high temperature & high load applications.

Typical Industrial Applications:

1. All kinds of chains, lateral chain belts, conveyors, joints, bearings, seals & wire ropes having an exposure of temperatures of up to 250 °C
2. Chain drives in the automotive paint booth systems
3. Chain & wire rope drives at glass and ceramic industries, steel works, tube manufacturing plants, bakeries etc.
4. Tunnel/Lap/Tray Ovens
5. Conveyor Roller Ball Bearing Chains
6. Gypsum Board Processing
7. Fiberglass Processing
8. Wood Processing

Features:

- Excellent oxidative and thermal stability
- Reduced sludge and deposit formation
- Reduced energy costs from ester formulation
- Good water and rust resistance
- High flash point
- Excellent wear protection
- Extended re-lubrication intervals
- Superior lubricity provides an end to chain kinking or shortening

Typical Properties:

Description	Test Method	IT-7483	
Color	Visual	Light Green	
Viscosity @ 40°C,cSt	ASTM D445	320	
Viscosity @ 100°C,cSt	ASTM D445	24	
Viscosity Index	ASTM D2270	100	
Flash Point, °C	ASTMD92	>300	
Pour Point, °C	ASTMD97	-35	
Specific Gravity	ASTMD4052	0.97	
Copper Corrosion		1b	
Four Ball Wear 40 kg, 500 rpm, 1 hr. @ 200°C	ASTM D4172	0.42 mm	
Four Ball Wear 40 kg, 1200 rpm, 1 hr. @ 200°C	ASTM D4172	0.49 mm	
Evaporation Loss	6.5 hrs. @204°C	ASTM D2595	1.32%
	24 hrs. @204°C	ASTM D2595	2.04%
	24 hrs @ 250 °C	-	4.14 %

Disclaimer:

The information contained in the data sheet reflects the state of engineering know-how and the results of extensive tests and practical application studies. However, on the account of diversity of possible applications and technical conditions, this information can be regarded as only indicative for suitable application and would therefore be not necessarily transferable to specific instances. We recommend, in every case, trials be conducted on specific applications before any general product use. No direct or indirect liabilities are accepted unless specified.