



**Product Name:** TRÖST EP-3 HVI

**Application:** Automotive, construction, industrial, and high-load vertical applications

**Thickener Type:** Lithium Complex

**Base Oil:** High Viscosity Index (HVI) Mineral Oil

**NLGI Grade:** 3 (High Consistency)

**Additive System:** Extreme Pressure (EP), anti-wear, anti-rust, oxidation inhibitors.

## Product Overview

Premium HVI lithium complex grease with EP additives, NLGI 3, designed for extreme pressure and vibration-prone environments in industrial and automotive use.

## Application

- Sealed bearings, pins, joints in trucks and off-road equipment
- Slow-speed or shock-loaded industrial bearings
- Vertical mount bearings and conveyors
- Any critical point exposed to heat, moisture, or load

## Performance Benefits

- Withstands high mechanical stress and vibration
- Maintains structure under heat, pressure, and centrifugal force
- Excellent rust and oxidation resistance
- Suitable for long re-greasing intervals
- Adheres well to surfaces to prevent leakage in high-speed or vertical mounts.

## Meets and Approvals

- NLGI Grade: 3
- DIN 51502: KP3N-30
- ISO 6743-9: ISO-L-XCDIB3

## Typical Properties

Property	Method	Typical Value
Thickener Type	—	Lithium Complex
Base Oil Type	—	HVI Mineral Oil
NLGI Grade	ASTM D217	3
Appearance	Visual	Smooth, tacky, blue
Worked Penetration (60 strokes)	ASTM D217	220–250
Dropping Point	ASTM D2265	≥250°C
4-Ball Weld Load	ASTM D2596	≥315 kg
Water Washout @ 79°C	ASTM D1264	≤3%
Rust Protection (EMCOR)	DIN 51802	0–0
Operating Temp Range	—	–30°C to +160°C





Short-Term Peak Temp	—	up to +200°C
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## Storage and Handling

- Store in a clean, dry, covered location
- Avoid contamination during use
- Seal containers after use to prevent moisture intrusion
- Refer to the SDS for full handling and disposal guideline.

