



Product Name: TRÖST EP-1 HVI

Application: Industrial, construction, automotive, and centralized lubrication systems

Thickener Type: Lithium Complex

Base Oil: High Viscosity Index (HVI) Mineral Oil

NLGI Grade: 1

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

Product Overview

A lithium complex grease with HVI base oil and EP additives, suitable for centralized systems and high-load applications in a wide temperature range.

Application

- Mobile equipment with automated grease systems
- Fleet vehicle chassis and pins
- Electric motors and slow to medium-speed bearings
- High-load pins, bushings, and rollers
- Agricultural, forestry, and marine machinery

Performance Benefits

- Long service life under high mechanical stress
- Excellent water resistance and oxidation stability
- Pumpable at low temperatures
- Reliable film strength under load, shock, and vibration
- Reduces wear, extends component life, and lowers maintenance cost

Meets and Approvals

- **NLGI Grade:** 1
- **DIN 51502:** KP1N-30
- **ISO 6743-9:** ISO-L-XCDIB1

Typical Properties

Property	Method	Typical Value
Thickener Type	—	Lithium Complex
Base Oil Type	—	High Viscosity Index Mineral
NLGI Grade	ASTM D217	1
Appearance	Visual	Smooth, tacky, blue
Worked Penetration (60 strokes)	ASTM D217	310–340
Dropping Point	ASTM D2265	≥250°C
4-Ball Weld Load	ASTM D2596	≥315 kg
Water Washout @ 79°C	ASTM D1264	≤3%
Rust Test (EMCOR)	DIN 51802	0–0





Operating Temperature Range	—	-30°C to +160°C
Short-Term Peak Temp	—	Up to +200°C

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.

