



Product Name: TRÖST Ca-Complex EP-1

Application: Centralized lubrication systems, wet environments, automotive, industrial, off-highway

Thickener Type: Calcium Complex

Base Oil: High-Quality Mineral

NLGI Grade: 1

Additive System: Extreme Pressure (EP), anti-rust, oxidation stabilizers.

Product Overview

A smooth, adhesive calcium complex grease for extreme pressure and water resistance in automatic and low-temperature lubrication systems.

Application

- Mining equipment centralized grease systems
- Marine and harbor vehicles exposed to salt and moisture
- Lubrication lines in agriculture and food processing plants
- Wet, high-pressure environments or outdoor fleets

Performance Benefits

- Ensures lubrication continuity in centralized systems
- Highly resistant to water washout and steam exposure
- Long-lasting protection against friction and wear
- Stable under high mechanical stress and temperature cycling
- Reduces downtime and frequency of grease application

Meets and Approvals

- **NLGI Grade:** 1
- **DIN 51502:** KP1R-25
- **ISO 6743-9:** ISO-L-XBCEB1

Typical Properties

Property	Method	Typical Value
Thickener Type	—	Calcium Complex
Base Oil Type	—	Mineral
NLGI Grade	ASTM D217	1
Appearance	Visual	Smooth, tacky, dark brown
Worked Penetration (60 strokes)	ASTM D217	310–340
Dropping Point	ASTM D2265	≥280°C
4-Ball Weld Load	ASTM D2596	≥400 kg
Water Washout @ 79°C	ASTM D1264	≤2%
Rust Protection (EMCOR)	DIN 51802	0–0





Operating Temperature Range	—	-25°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.

