



Product Name: TRÖST Marine Complex

Application: Offshore, coastal, and marine machinery

Thickener Type: Calcium Sulfonate Complex

Base Oil: High-quality mineral or semi-synthetic

NLGI Grade: 2

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

Product Overview

Premium calcium sulfonate complex grease offering high resistance to water, salt, and extreme pressure—specially engineered for marine and coastal environments.

Ideal for **marine decks, ship cranes, rudder bearings, winches, and submerged components**, it combines extended lubrication life with **unmatched corrosion resistance**.

Application

- Ships, ferries, fishing vessels, tugboats
- Rudder mechanisms, anchor winches, davit systems
- Shipyard machinery and coastal installations
- Trailer wheel bearings in marine environments

Performance Benefits

- Excellent resistance to saltwater, fresh water, and steam
- Maintains protective film under shock, load, and wet operations
- Offers long lubrication intervals and reduced maintenance frequency
- Prevents rust even during equipment downtime
- Ideal for both submerged and exposed marine conditions

Meets and Approvals

- NLGI Grade: 2
- DIN 51502: KP2R-30
- ISO 6743-9: ISO-L-XC(F)IB2
- Exceeds requirements for heavy-duty marine and offshore applications

Typical Properties

Property	Method	Typical Value
Thickener Type	—	Calcium Sulfonate Complex
Base Oil Type	—	High VI Mineral / Semi-Synthetic
NLGI Grade	ASTM D217	2
Appearance	Visual	Smooth, tacky, light brown
Worked Penetration (60 strokes)	ASTM D217	265–295
Dropping Point	ASTM D2265	>280°C
4-Ball Weld Load	ASTM D2596	≥500 kg





Water Washout @ 79°C	ASTM D1264	≤1.5%
Salt Spray Corrosion Resistance	ASTM B117	≥500 hrs
Operating Temp Range	—	−30°C to +180°C
Mechanical Stability (Roll Test)	ASTM D1831	Excellent

Values are average and may vary within production tolerance.

Storage and Handling

- Store in a dry, covered environment between 5°C and 40°C
- Avoid contamination and water ingress
- Use appropriate application tools for thick, adhesive grease
- Refer to the SDS for full safety, health, and environmental instructions.

