

## GLÄT LITHIUM COMPLEX GREASE EP-3 HVI

### Product Description

**GLÄT Lithium Complex grease EP-3 HVI** is a high-consistency lithium complex grease specially engineered for severe load, high temperature, and vertical or high-vibration components. Formulated with HVI base oils and enhanced with advanced EP additives, it ensures excellent protection against wear, corrosion, and water washout in demanding mechanical environments. Ideal for wheel bearings, heavy-duty pins, and sealed-for-life components, it offers superior structural stability and long re-greasing intervals.

### 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

### Meets or Exceeds

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

### Product Features & 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

### Storage & Handling

- Store in a dry, shaded area below 40°C
- Avoid mixing with incompatible greases
- Reseal container after use
- Refer to the product SDS for full safety and environmental guidance

### Typical Properties

Property	Method	Unit
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

