

# Hi-Tech GREASE HT-1/2

## LONG LIFE HIGH TEMPERATURE GREASE

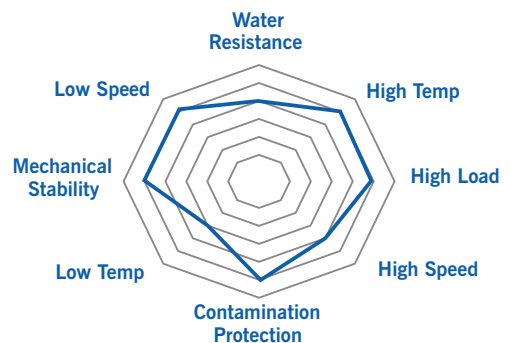
### Description

The exceptional shear stability, attributed to the presence of anti-wear (AW) and extreme-pressure (EP) additives, grants **Hi-Tech Grease HT-1/2** remarkable longevity. Additionally, its foundational mixture of complex thickeners enhances its resistance to high temperatures. Grease represents a semi-solid product resulting from the dispersion of a thickening agent within a liquid lubricant, bolstered by the inclusion of specialized additives. The unique structure of grease enables the lubricant to maintain a solid state until exposed to a specific shear stress, at which point it transitions into a flow-able state.



Premium high load, high temperature, medium speed, long life, grease special engineered for saving in maintenance cost.

### Performance Properties



### Application

- Dryer Machine's Bearing.
- Crusher Screen Bearing.
- Pelleting Press Bearing.
- Roller Bearing.
- Plain Bearing.
- Rolling Stock.
- Cables and Capstans.
- Open Gear.
- Slide Ways.
- And Many More.



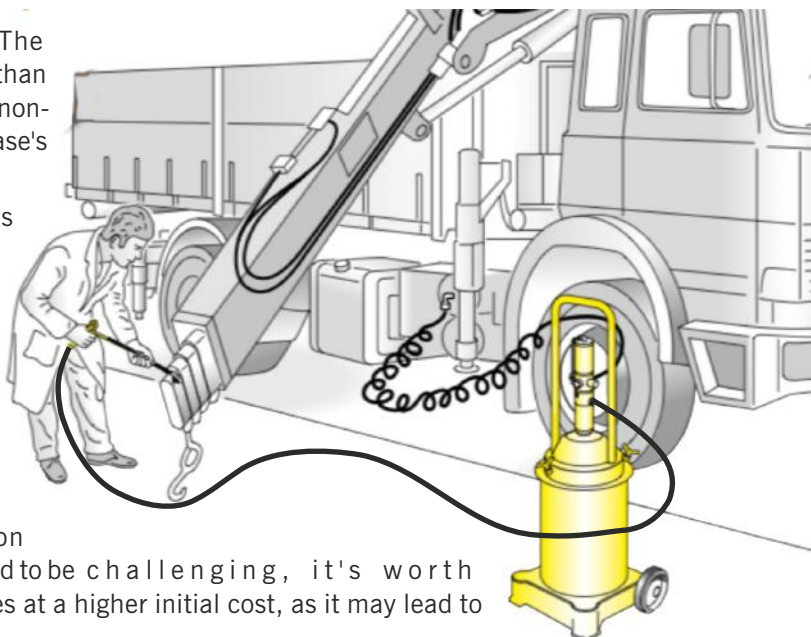
Apply Hi-Tech Grease HT-1/2 here

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### Product Advantage

- Determine the actual temperature range. The effective operating temperature might be lower than it initially appears. Utilize either a contact or non-contact sensor to accurately measure the grease's operating temperature.
- Is the application intermittent or continuous? If it's a continuous operation, then seek out a premium-quality product that aligns with the operational requirements.
- Do the machinery undergo heating and cooling cycles during operation and non-operational intervals? Consider whether moisture could potentially infiltrate through atmospheric conditions or impingement.
- What constitutes a reasonable relubrication interval or opportunity? If relubrication is expected to be challenging, it's worth contemplating a top-tier product, even if it comes at a higher initial cost, as it may lead to lower overall usage expenses.
- Take into account any cosmetic concerns. Could the product potentially drip onto processing components? Balancing the frequency and volume of relubrication with the risk of product contamination is crucial.



### Technical Properties

Characteristics\Series	Test Method	Hi-Tech Grease HT-1	Hi-Tech Grease HT-2
Color	Visual	Blue	Blue
Appearance	-	Smooth & Buttery	Smooth & Buttery
Type of soap	Actual	Mix Complex Thickener	Mix Complex Thickener
NLGI Grade	ASTMD217/DIN 51818	1	2
Operation temperature Range °C	-	-20 to 180	-20 to > 260 °C
Four ball weld load N/cm <sup>2</sup>	IP-239	5580	6000
Dropping Point °C	NFT 60-627	280	318 °C
K. Viscosity of base oil at 40 °C - mm <sup>2</sup> /s (cSt)	ASTMD445	220cSt @ 46°C	220 cSt @46 °C
Timken ok load, is	Timken	49	55
Water wash out	-	1.2% max	1% Max.