



Technical Data Sheet

HTF

Lithium complex EP grease based on semi-synthetic base oil

Description HTF is high performance grease, based on lithium complex soap, semi-synthetic high-quality base oil and efficient EP additives. Its colour is light brown.

Use / Application HTF is particularly suitable for lubrication of roller and plain bearings operating on elevated working temperature under high mechanical load and/or impact, medium high speed and in presence of humidity. HTF provides significant wear reduction, its excellent mechanical stability, anti-wear features, outstanding resistance even on medium-high working temperatures permit to prolong lubricating interval 2-3 times if compared to standard products.

This high performance product is particularly indicated for pulp and paper industry, for heavy industry, steel industry and foundries, it is ideal for roller lubrication, for electric motor bearings, ventilators, pumps, vibrators and all applications where high performance lubricant grease is requested.

HTF is also very suitable for trucks and automotive wheel hubs lubrication.

Classifications and specifications Daimler Chrysler 265.1
MAN 284 Li-H2
VOLVO STD 1277,18-1277,2

Characteristics

- mechanical stability
- outstanding oxidation resistance
- very good stability in presence of water
- excellent protection against corrosion
- excellent resistance on high temperatures
- perfect pressure resistance
- outstanding adhesiveness
- suitable for central lubricating systems
- high d/n factor (ca. 400.000) suitable for fast bearings

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- Features and benefits**
- HTF is high performance lubricant grease which provides excellent lubrication properties and outstanding protection of lubricated applications
 - Low base oil viscosity (ca. 170 mm²/s @ 40°C) makes this grease particularly suitable for fast bearings used on fans, electrical engines, blowers, ventilators etc.
 - HTF provides strong lubricating film resisting even on elevated working temperatures, keeping bearings, machinery and production lines running smoothly and reducing considerably mechanical wear
 - Its excellent wear protection as well as corrosion protection significantly contributes to the reduction of the production costs
 - Excellent lubricating properties assures reduced friction and thus important energy savings
 - Huge working temperature range make this product particularly suitable for various industrial applications where bearings could work at high operating temperatures
 - Forms strong and highly tenacious lubricant film which provides perfect bearing protection against corrosion and assures noticeable reduction of bearing running noise

Technical Data

Working temperature range		°C	-30 / +150
Short time peak temperature		°C	+200
For use on temperatures >150°C lubricating interval have to be reduced.			
Drop point	DIN ISO 2176	°C	>260
Worked penetration	DIN ISO 2137	1/10 mm	265-295
NLGI class			2
Water resistance	DIN 51807 T1		1 – 90
Corrosion resistance	DIN 51802	degree	0
Copper strip test	DIN 51811	degree	1
Soap thickener			Lithium complex
Base oil viscosity at 40°C	DIN 51562	mm ² /s	approx. 170
Mechanical & dynamic test: useful life at 150°C (test FAG FE 9)	DIN 51821-02-A/ 1500/ 6000-150	h	F50 > 100
Designation	DIN 51502		KP 2 N-30

For more than forty years is the company NILS active in the field of lubricants. It is specialized to supply the highest performance lubricants and analysis services to its partners and clients. Our technicians are at your disposal not only to provide further details on a particular product, but also to find a solution to your matter in order to reduce the lubrication cost and to improve the working and production process.

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