

RENOLIT HLT 2

Synthetic Longlife Grease

Description

RENOLIT HLT 2 is an adhesive, lithium soap based lubricating grease designed for long-term applications, containing synthetic (poly-alphaolefin) base oil.

RENOLIT HLT 2 is resistant to high mechanical and thermal loads, work stable, water resistant, and protects against corrosion even in salty environments. Its working temperature range is between -40°C and + 140°C.

Application

RENOLIT HLT 2 is recommended for all greasing points in roller and friction bearings, especially those exposed to fluctuating ambient temperatures, and when high performance is required.

Shelf Life

The minimum shelf life is 36 months if the product is properly stored between 0°C and 40°C in its unopened original container in a dry place.

Advantages

- Suitable for life-time lubrication
- Water resistant
- Work stable
- Protects from corrosion, even in the presence of salt water
- Suitable for high thermal loads
- Good adhesiveness
- Suitable for low temperatures
- Mechanically high loadable

Specifications/Approvals

- Deutsche Bahn
- SNCF
- Flottweg
- Evonik
- Lincoln
- Bundeswehr (GY 3010)



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Characteristics

Properties	Unit	Data	Test method
Classification	-	KPHC 2 N-40 ISO L-X-DDHB 2	DIN 51 502 ISO 6743-9
Colour	-	light brown	-
Thickener	-	Lithium soap	-
Dropping point	°C	> 180	IP 396
Worked penetration (Pw 60)	0,1 mm	265 – 295	DIN ISO 2137
Work resistance ΔP_w (100000 - 60)	0,1 mm	< 40	DIN ISO 2137
NLGI-grade	-	2	DIN 51 818
Corrosion protection properties Emcor Test	Degree of corr.	0 - 0	DIN 51 802
Copper corrosion	Degree of corr.	1 -100	DIN 51 811
Flow pressure at -40°C	hPa	< 1400	DIN 51 805
Oil separation at 40°C / 18h at 40°C / 7d	%	< 1,5 < 3,5	DIN 51 817
Oxidation resistance 100 h / 100°C	bar	< 0,5	DIN 51 808
Base oil viscosity at 40°C at 100°C	mm ² /s	105 12	DIN 51 562-1
Temperature range	°C	-40 up to +140	DIN 51 825