



SPECIAL GREASES

ADDINOL LONGLIFE GREASE HS 2

PRODUCT DESCRIPTION

ADDINOL Longlife Grease HS 2 is a special grease made from a low-viscous synthetic base oil and a lithium complex soap. The product contains EP additives and has good anti-corrosion properties.

Service temperature range from -60 °C up to +140 °C.

APPLICATION

- Due to its low base oil viscosity ADDINOL Longlife Grease HS 2 is excellent suited for lubrication of high speed roller and sliding bearings (such as spindle bearings in machine tools and textile machinery, electric motors, linear actuators etc.)
- A low starting torque at low temperatures qualifies the product for lubrication of high-pressure loaded bearings at low operating temperatures (e.g. bearings of aggregates or vehicles in cold-storage warehouses etc.).
- Very well suited for using in central lubrication devices

SPECIFICATIONS/APPROVALS

According to DIN 51502:

- KPHC2N-60

According to ISO 6743:

- ISO-L-X EDEB2

In compliance with NLGI class 2.

DELIVERY

Delivery preferable in 25 kg and 1 kg cans.

CHARACTERISTICS

- Low starting-up resistance at low temperatures
- Friction reducing
- Good wear protection
- Very shear-stable
- Oxidation and ageing resistant
- Excellent water resistance
- Good anti-corrosion properties
- EP-blended

ADVANTAGES AND BENEFITS

- Outstanding start and warm up behaviour in the cold
- Long lifetime of friction pairings
- Long lifetime and protection of the machine parts
- Maintains structure and pliancy of the lubricant; does not form solid deposits
- Long operating time of the lubricant
- Direct contact with water possible
- Long lifetime of the machine parts
- Applicable under heavy operating conditions





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SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		Longlife Grease HS 2	Method acc. to
Colour			uncoloured to yellowish	visual
Structure			pasty	
Thickener			lithium complex	
NLGI class			2	DIN 51818
According to DIN			KPHC2N-60	DIN 51502
According to ISO			ISO-L-X EDEB2	ISO 6743
Temperature range		°C	-60 up to +140	
Worked penetration	0.1 mm		265-295	DIN ISO 2137
Drop point		°C	> 250	DIN ISO 2176
Speed factor	$n \cdot d_m$	$\text{min}^{-1} \cdot \text{mm}$	> 900,000	
Behaviour against water			1-90	DIN 51807
Corrosion protection		degree	0/0	DIN 51807
Corrosion effect		degree	1	DIN 51811
VKA welding load		N	2,600	DIN 51350
Mech.-dyn. Examination Duration of grease use	at 140°C	h	$F_{50} > 140$	

Base oil

Type			synthetic oil	
Viscosity	at 40°C	mm^2/s	27	DIN 51562-1

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We at ADDINOL develop and produce more than 600 high-performance lubricants of the new generation. Among these are automotive lubricants for highest demands and pioneering developments for industrial applications. Our customers all over the world benefit from the high and stable quality of our ADDINOL high-performance lubricants, our know-how and the individual customer advisory service of our competent experts. Our company has world wide activities. ADDINOL high-performance lubricants are distributed by more than 70 international partners.

The data given in this product sheet represent our current level of knowledge and experience. Due to the various specific application they do, however, not discharge the user from his own examination. The information provided herein may not be used to derive a legally binding warranty of specific properties or the suitability for a certain purpose of application. Detailed security-concerning and toxicological data as well as security instructions for each product can be taken from the corresponding Material Safety Data Sheets (MSDS). High-performance lubricants from ADDINOL are under continuous development. Therefore, ADDINOL Lube Oil GmbH keeps the right to change technical data in this product data sheet without notification. In case of doubt, please do not hesitate to contact our customers' advisory service.