

STABYL LT 50

Synthetic oil-based, lithium-soap special grease

Performance Features

- temperature range:-50 / +130 °C short-term up to +150 °C
- good adhesion
- thermally and mechanically stable
- protects against corrosion
- water-resistant, even to salt water
- good pumpability at all temperatures
- good work stability, even in difficult operating conditions
- good elastomer compatibility



roller bearings



plain bearings



EP properties



low
temperatures



sea water-
resistant



elastomer-
compatible

Description

STABYL LT 50 is a synthetic oil based, adhesive, naturally-coloured grease containing lithium soap. It is designed for lifetime lubrication, even at low temperatures.

Field of application

STABYL LT 50 is used for the lubrication of plain and roller bearings, which are subject to low temperatures, high loads, temperature fluctuations and difficult environmental conditions, as for instance in general engineering, chemical industry, iron and steel industry, construction machinery and automobile industry.

Method of application

Apply STABYL LT 50 manually with grease guns or via centralized lubrication systems.

Product Information

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Note

STABYL LT 50 fulfils the specification for low-temperature greases TL-VW 778, version A. STABYL LT 50 also meets the specifications for hydraulic shovels of KOMATSU MINING GERMANY, formerly Mannesmann-Demag Baumaschinen. In addition it is approved by Rothe Erde GmbH for the greasing of large roller bearings.

Technical Data: STABYL LT 50

Characteristics	Value	Unit	Test Method
Reference	KPHC2N-50		DIN 51502
Color	natural		
Temperature range	-50 / +130	° C	DIN 51825
short term up to	+150	° C	
Base oil	syn		
Thickener	Li		
Base oil viscosity [40 °C]	105	mm ² /s	DIN 51562-1
NLGI grade	2		DIN 51818
Dropping point	190	° C	IP 396
Water resistance	1-90	rating	DIN 51807-1
Oil separation [40 °C, 7 d]	≤ 3.5	%	DIN 51817
Oil separation [40 °C, 18 h]	≤ 1.5	%	DIN 51817
Flow pressure [25 °C]	70	hPa	DIN 51805
Flow pressure [0 °C]	110	hPa	DIN 51805
Flow pressure [-40 °C]	690	hPa	DIN 51805
Copper strip test	1-100	rating	DIN 51811
EMCOR [dist. Water]	0/0	rating	DIN 51802

LV = Laboratory Specification

Typical for current production. Variations in these characteristics may occur.

Product Information

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As far as we know this information reflects the current state of knowledge and our research. It cannot, however, be taken as an assurance about the properties nor as a guarantee of the suitability of the product for the individual case in point. Before using our products the purchaser must, therefore, check their suitability and be satisfied that the output will be satisfactory. Please be aware that our products must not be used for applications in nuclear primary circuits or on-board aerospace systems. Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our product information sheets at any time and without prior announcement, unless otherwise provided in customer-specific agreements. With the publication of this product information sheet, all previous editions cease to be valid.

We are specialized in developing products for extreme tribological problems in cooperation with end users. FUCHS LUBRICANTS GERMANY provides service and individual advice. Please contact us!
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