SKF Low temperature, extremely high speed bearing grease

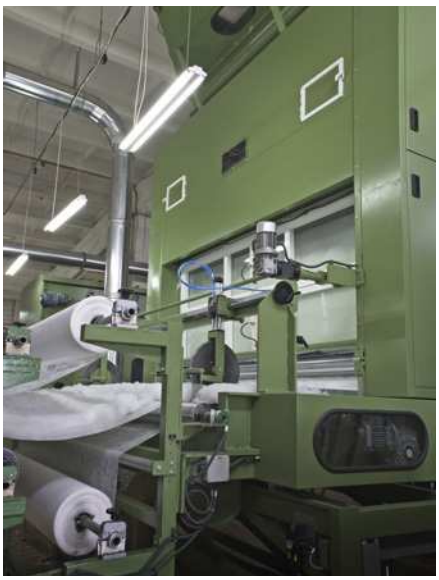
LGLT 2

SKF LGLT 2 is a fully synthetic oil based grease using lithium soap. Its unique thickener technology and low viscosity oil (PAO) provide excellent lubrication performances at low temperatures –50 °C *(–60 °F)* and extremely high speeds (n d_m values of 1,6 × 10^6 can be reached).

- Low friction torque
- Quiet running
- Extremely good oxidation stability and resistance to water

Typical applications

- Textile spinning spindles
- Machine tool spindles
- Instruments and control equipment
- Small electric motors used in medical and dental equipment
- In-line skates
- Printing cylinders
- Robots



Available pack sizes

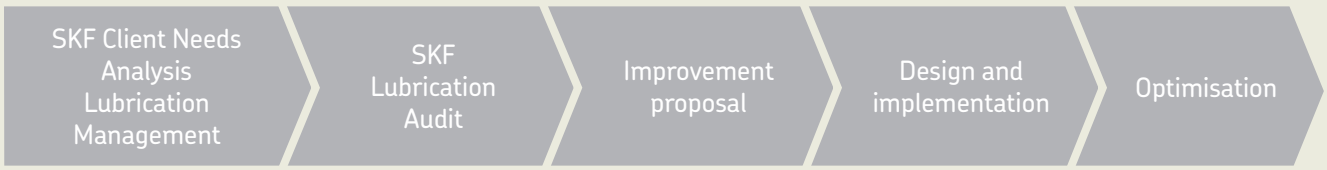
Packsize	Designation
180 g tube	LGLT 2/0.2
0,9 kg can	LGLT 2/1
25 kg pail	LGLT 2/25
170 kg drum	LGLT 2/180

Technical data

Designation	LGLT 2/(pack size)
DIN 51825 code	K2G-50
NLGI consistency class	2
Thickener	Lithium
Colour	Beige
Base oil type	Synthetic (PAO)
Operating temperature range	–50 to +110 °C *(–60 to +230 °F)*
Dropping point DIN ISO 2176	>180 °C *(>355 °F)*
Base oil viscosity	
40 °C, mm^2/s	18
100 °C, mm^2/s	4,5
Penetration DIN ISO 2137	
60 strokes, 10^{-1} mm	265–295
100 000 strokes, 10^{-1} mm	+50 max.
Corrosion protection	
Emcor: – standard ISO 11007	0–1
Water resistance	
DIN 51 807/1, 3 hrs at 90 °C	1 max.
Oil separation	
DIN 51 817, 7 days at 40 °C, static, %	<4
Copper corrosion	
DIN 51 811	1 max. at 100 °C *(210 °F)*
Rolling bearing grease life	
R0F test	>1 000,
L_{50} life at 10 000 r/min., hrs	20 000 r/min. at 100 °C *(210 °F)*
EP performance	
4–ball test, welding load DIN 51350/4, N	2 000 min.

Lubrication management

Just as asset management takes maintenance to a higher level, a lubrication management approach allows lubrication to be seen from a wider point of view. This approach helps to effectively increase machine reliability at a lower overall cost.



Step 1

Normally implies one day of assessment and provides an overview on the lubrication programme maturity

Step 2

Detailed assessment. Normally implies five days and provides a thorough analysis of the lubrication programme

Step 3

Formulation of specific activities

Step 4

Execution of the proposed activities

Step 5

Reassessment and implementation of additional improvement proposals

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