SKF Biodegradable bearing grease

LGGB 2

SKF LGGB 2 is a biodegradable, low toxicity, synthetic ester oil based grease, using a lithium-calcium thickener. Its special formulation makes it most suitable for applications where environmental contamination is a concern.

- Good performance in applications with steel-on-steel spherical plain bearings, ball bearings and roller bearings
- Good low temperature start-up performance
- Good corrosion inhibiting properties
- Suitable for medium to high loads

Typical applications

- Agricultural and forestry equipment
- Construction and earthmoving equipment
- Mining and conveying equipment
- Water treatment and irrigation
- Locks, dams, bridges
- Linkages, rod ends

Available pack sizes

Packsize	Designation
420 ml cartridge	LGGB 2/0.4
5 kg can	LGGB 2/5
18 kg pail	LGGB 2/18
Gas driven lubricator	
LAGD series 125 ml	LAGD 125/GB2

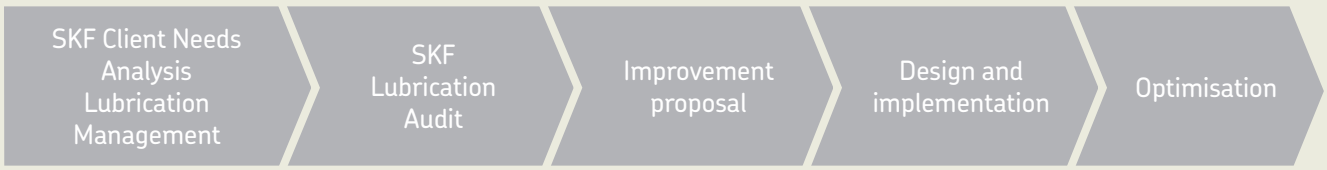
Technical data

Designation	LGGB 2/(pack size)
DIN 51825 code	KPE 2K-40
NLGI consistency class	2
Thickener	Lithium/calcium
Colour	Off white
Base oil type	Synthetic ester
Operating temperature range	–40 to +90 °C *(–40 to +195 °F)*
Dropping point DIN ISO 2176	>170 °C *(>340 °F)*
Base oil viscosity	
40 °C, mm^2/s	110
100 °C, mm^2/s	13
Penetration DIN ISO 2137	
60 strokes, 10^{-1} mm	265–295
100 000 strokes, 10^{-1} mm	+50 max. (325 max.)
Mechanical stability	
Roll stability, 50 hrs at 80 °C, 10^{-1} mm	+70 max. (350 max.)
Corrosion protection	
Emcor: – standard ISO 11007	0–0
Water resistance	
DIN 51 807/1, 3 hrs at 90 °C	0 max.
Oil separation	
DIN 51 817, 7 days at 40 °C, static, %	0,8–3
Lubrication ability	
R2F, running test B at 120 °C	Pass at 100 °C *(210 °F)*[1]
Rolling bearing grease life	
ROF test L_{50} life at 10 000 r/min., hrs	>300 at 120 °C *(250 °F)*
EP performance	
Wear scar DIN 51350/5, 1 400 N, mm	1,8 max.
4–ball test, welding load DIN 51350/4, N	2 600 min.
Shelf life	2 years

[1] Typical value

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

skf.com | mapro.skf.com | skf.com/lubrication

PUB MP/P8 12049/2 EN · November 2019

Certain image(s) used under license from Shutterstock.com.