

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
180 kg drum	LGGB 2/180
Gas driven lubricator	
LAGD series 125 ml	LAGD 125/GB2



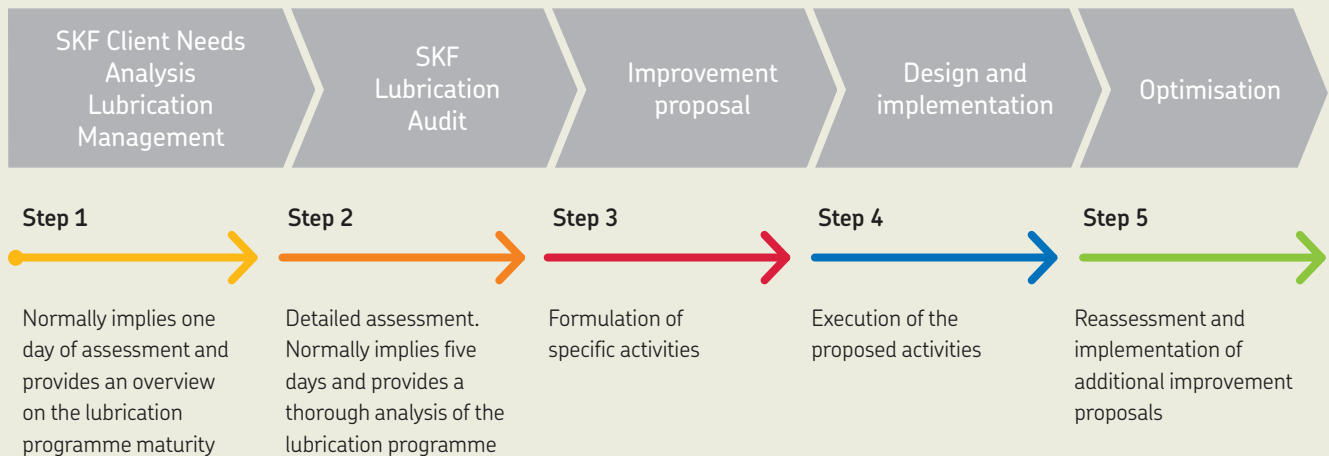
Technical data

Designation	LGGB 2/(pack size)		
DIN 51825 code	KPE 2K-40	Corrosion protection	Emcor: – standard ISO 11007
NLGI consistency class	2	Water resistance	DIN 51 807/1, 3 hrs at 90 °C
Thickener	Lithium/calcium	Oil separation	DIN 51 817, 7 days at 40 °C, static, %
Colour	Off white	Lubrication ability	R2F, running test B at 120 °C
Base oil type	Synthetic ester	Rolling bearing grease life	ROF test L ₅₀ life at 10 000 r/min., hrs
Operating temperature range	–40 to +90 °C (–40 to +195 °F)	EP performance	Wear scar DIN 51350/5, 1 400 N, mm
Dropping point DIN ISO 2176	>170 °C (>340 °F)	Shelf life	4–ball test, welding load DIN 51350/4, N
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.)		

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.



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PUB MP/P8 12049/2 EN · August 2018

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