

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



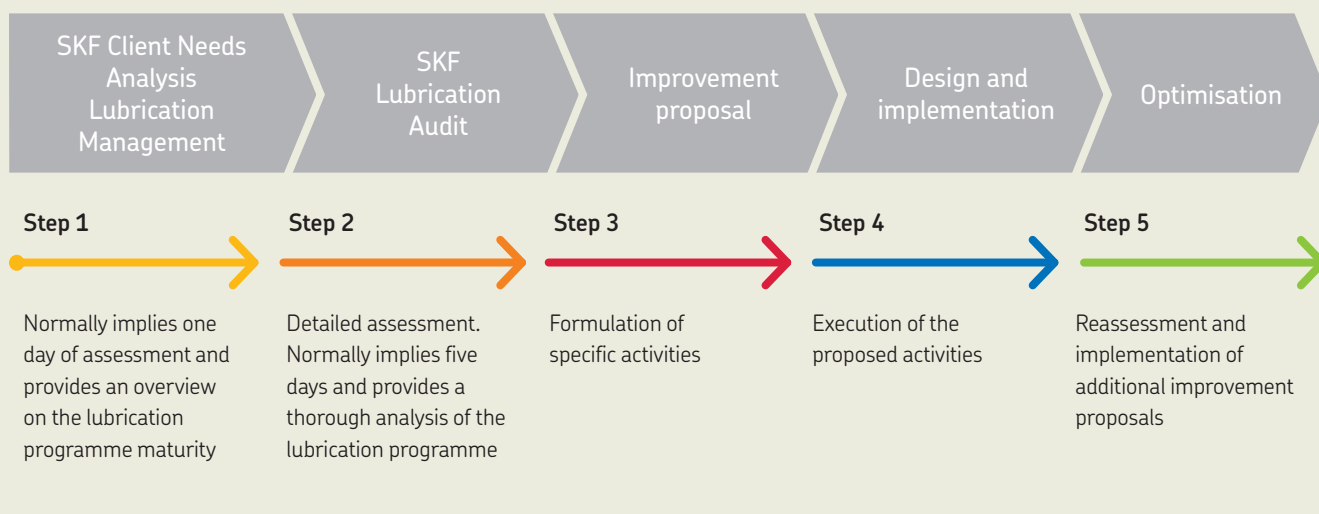
Technical data

Designation	LGGB 2/(pack size)		
DIN 51825 code	KPE 2K-40	Corrosion protection	Emcor: – standard ISO 11007
NLGI consistency class	2		0–0
Thickener	Lithium/calcium	Water resistance	DIN 51 807/1, 3 hrs at 90 °C
Colour	Off white		0 max.
Base oil type	Synthetic ester	Oil separation	DIN 51 817, 7 days at 40 °C, static, %
Operating temperature range	–40 to +90 °C (–40 to +195 °F)		0,8–3
Dropping point DIN ISO 2176	>170 °C (>340 °F)	Lubrication ability	R2F, running test B at 120 °C
Base oil viscosity			Pass at 100 °C (210 °F) ¹⁾
40 °C, mm ² /s	110	Rolling bearing grease life	R0F test L ₅₀ life at 10 000 r/min., hrs
100 °C, mm ² /s	13		>300 at 120 °C (250 °F)
Penetration DIN ISO 2137		EP performance	
60 strokes, 10 ^{–1} mm	265–295	Wear scar DIN 51350/5, 1 400 N, mm	1,8 max.
100 000 strokes, 10 ^{–1} mm	+50 max. (325 max.)	4-ball test, welding load DIN 51350/4, N	2 600 min.
Mechanical stability		Shelf life	2 years
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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