

SKF High load, high temperature, high viscosity bearing grease

LGHB 2

SKF LGHB 2 is a high viscosity, mineral oil based grease, using the latest complex calcium-sulphonate soap technology. Formulated to withstand high temperatures and extreme loads, it is suitable for a wide range of applications, especially in the cement, mining and metals segments. This grease contains no additives and the extreme pressure properties arise from the soap structure.

- Excellent load capacity, anti-oxidation and corrosion protection even with large water ingress
- Withstands peak temperatures of 200 °C (390 °F)

Typical applications

- Steel on steel plain bearings
- Pulp and paper making machines
- Asphalt vibrating screens
- Continuous casting machines
- Sealed spherical roller bearings operating up to 150 °C (300 °F)
- Work roll bearings in steel industry
- Mast rollers of fork lift trucks



Available pack sizes

Packsize	Designation	Packsize	Designation
420 ml cartridge	LGHB 2/0.4	Electro-mechanical lubricators	
5 kg can	LGHB 2/5	TLSD series 125 ml	TLSD 125/HB2
18 kg pail	LGHB 2/18	TLSD series 125 ml refill	LGHB 2/SD125
50 kg drum	LGHB 2/50	TLSD series 250 ml	TLSD 250/HB2
180 kg drum	LGHB 2/180	TLSD series 250 ml refill	LGHB 2/SD250
Gas driven lubricators		Electro-mechanical lubricant dispensers	
LAGD series 60 ml	LAGD 60/HB2	TLMR 101 series 380 ml refill (incl. battery)	LGHB 2/MR380B
LAGD series 125 ml	LAGD 125/HB2	TLMR 201 series 380 ml refill	LGHB 2/MR380



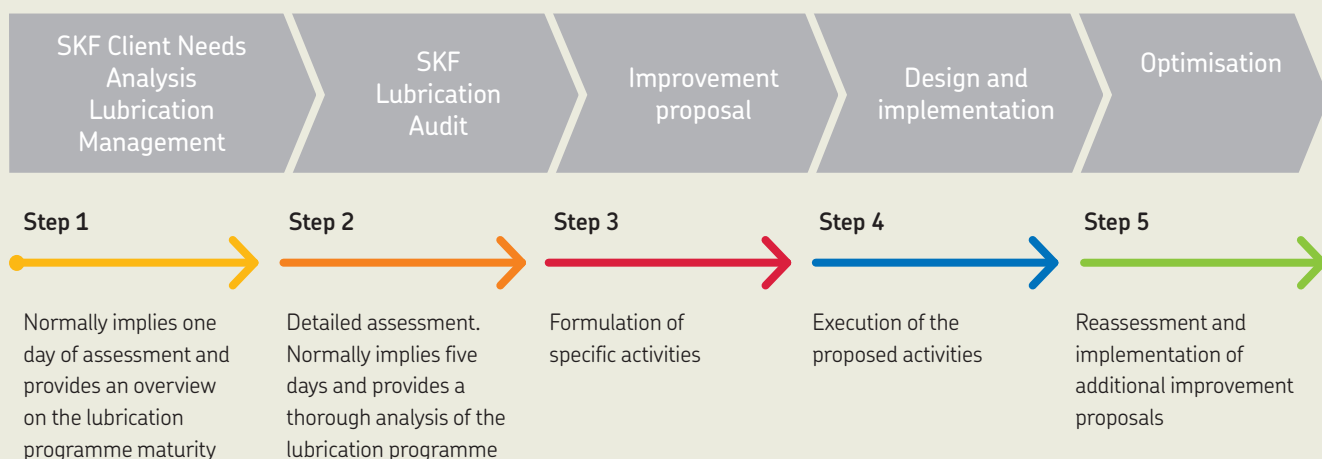
Technical data

Designation	LGHB 2/(pack size)		
DIN 51825 code	KP2N-20	Corrosion protection	
NLGI consistency class	2	Emcor: – standard ISO 11007	0–0
Thickener	Complex calcium sulphonate	– water washout test	0–0
Colour	Brown	– salt water test (100% seawater)	0–0 ¹⁾
Base oil type	Mineral	Water resistance	
Operating temperature range	–20 to +150 °C (–5 to +300 °F)	DIN 51 807/1, 3 hrs at 90 °C	1 max.
Dropping point DIN ISO 2176	>220 °C (>430 °F)	Oil separation	
Base oil viscosity		DIN 51 817, 7 days at 40 °C, static, %	1–3 at 60 °C (140 °F)
40 °C, mm ² /s	400–450	Lubrication ability	
100 °C, mm ² /s	26,5	R2F, running test B at 120 °C	Pass at 140 °C (285 °F)
Penetration DIN ISO 2137		Copper corrosion	
60 strokes, 10 ^{–1} mm	265–295	DIN 51 811	2 max. at 150 °C (300 °F)
100 000 strokes, 10 ^{–1} mm	–20 to +50 (325 max.)	Rolling bearing grease life	
Mechanical stability		ROF test	
Roll stability, 72 hrs at 100 °C, 10 ^{–1} mm	–20 to +50 change	L ₅₀ life at 10 000 r/min., hrs	>1 000 at 130 °C (265 °F)
V2F test	'M'	EP performance	
		Wear scar DIN 51350/5, 1 400 N, mm	0,86 ¹⁾
		4–ball test, welding load DIN 51350/4, N	4 000 min.
		Fretting corrosion	
		ASTM D4170 (mg)	0 ¹⁾

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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