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

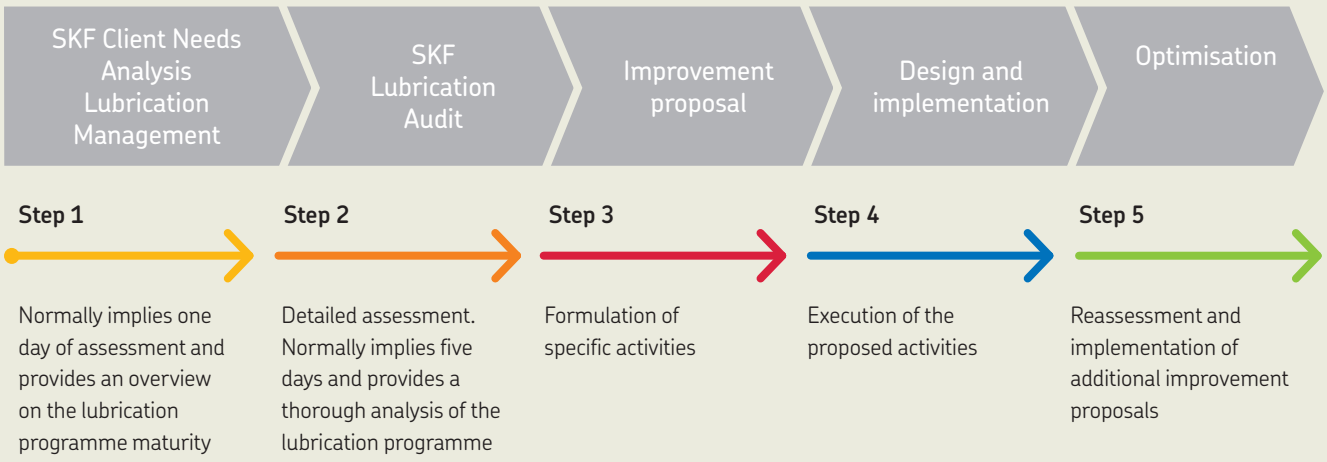
Technical data

Designation	LGHB 2/(pack size)
DIN 51825 code	KP2N-20
NLGI consistency class	2
Thickener	Complex calcium sulphonate
Colour	Brown
Base oil type	Mineral
Operating temperature range	–20 to +150 °C *(–5 to +300 °F)*
Dropping point DIN ISO 2176	>220 °C *(>430 °F)*
Base oil viscosity	
40 °C, mm^2/s	400–450
100 °C, mm^2/s	26,5
Penetration DIN ISO 2137	
60 strokes, 10^{-1} mm	265–295
100 000 strokes, 10^{-1} mm	–20 to +50 (325 max.)
Mechanical stability	
Roll stability, 72 hrs at 100 °C, 10^{-1} mm	–20 to +50 change
V2F test	'M'
Corrosion protection	
Emcor: – standard ISO 11007	0–0
– water washout test	0–0
– salt water test (100% seawater)	0–0 [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, %	1–3 at 60 °C *(140 °F)*
Lubrication ability	
R2F, running test B at 120 °C	Pass at 140 °C *(285 °F)*
Copper corrosion	
DIN 51 811	2 max. at 150 °C *(300 °F)*
Rolling bearing grease life	
R0F test	
L_{50} life at 10 000 r/min., hrs	>1 000 at 130 °C *(265 °F)*
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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