

SKF Wind turbine blade and yaw bearing grease

LGBB 2

SKF LGBB 2 is a lithium complex/synthetic PAO oil based grease specially designed for extreme conditions involving very low speeds, high loads, low temperatures and oscillating conditions. This grease provides proper lubrication whether the turbine is operating or in stand-still mode, installed onshore, offshore, or in cold climate areas.

- Excellent false brinelling protection
- Excellent performance under high loads
- Excellent performance at low temperature starting torque
- Good pumpability down to low temperatures
- Excellent water resistance
- Excellent corrosion protection
- High thermal and mechanical stability

Typical applications

- Wind turbine blade and yaw bearing applications



Available pack sizes

Packsizes	Designation
420 ml cartridge	LGBB 2/0.4
18 kg pail	LGBB 2/18
180 kg drum	LGBB 2/180



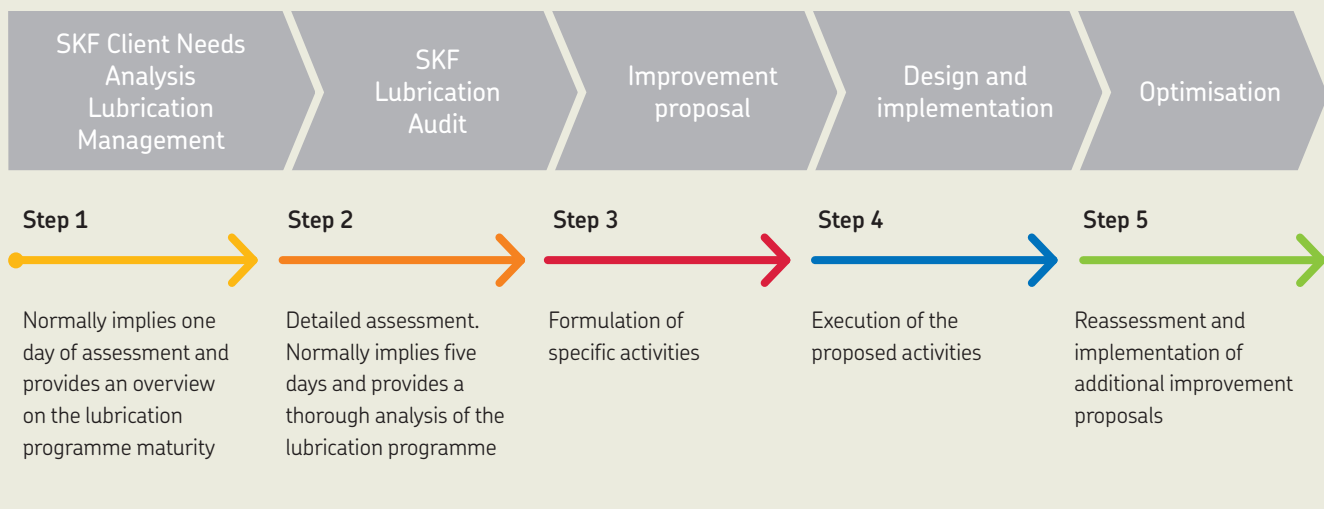
Technical data

Designation	LGBB 2/(pack size)		
DIN 51825 code	KP2G-40	Corrosion protection	
NLGI consistency class	2	Emcor: – Standard ISO 11007	0–0
Thickener	Lithium complex	– Salt water test (100% sea water)	0–1 ¹⁾
Colour	Yellow	Water resistance	
Base oil type	Synthetic (PAO)	DIN 51 807/1,	
Operating temperature range	–40 to +120 °C (–40 to +250 °F)	3 hours at 90 °C	1 max.
Dropping point DIN ISO 2176	>200 °C (390 °F)	Oil separation	
Base oil viscosity 40 °C, mm ² /s	68	DIN 51817,	
Penetration DIN ISO 2137		7 days at 40 °C, static, %	4 max, 2,5 ¹⁾
60 strokes, 10 ⁻¹ mm	265–295	Copper corrosion	
100 000 strokes, 10 ⁻¹ mm	+50 max.	DIN 51 811	1 max. at 120 °C (250 °F)
Mechanical stability		EP performances	
Roll stability, 50h at 80 °C, 10 ⁻¹ mm	+50 max.	Wear scar DIN 51350/5, 1400 N, mm	0,4 ¹⁾
		4-ball test, welding load DIN 51350/4, N	5 500 ¹⁾
		Rolling bearing lubrication ability	
		Fe8, DIN 51819,	
		80 kN, 80 °C, C/P 1.8, 500 h	pass
		False brinelling resistance	
		ASTM D4170 FAFNIR test, mg	0–1 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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