

SKF High viscosity bearing grease with solid lubricants

LGEM 2

SKF LGEM 2 is a high viscosity, mineral oil based grease using a lithium soap. Its content of molybdenum disulphide and graphite provides extra protection for harsh applications subjected to high loads, heavy vibrations and slow rotations.

- High oxidation stability
- Molybdenum disulphide and graphite provide lubrication even if the oil film breaks down

Typical applications

- Rolling element bearings running at low speed and very high loads
- Jaw crushers
- Track laying machines
- Lift mast wheels
- Building machines such as mechanical rams, crane arms and crane hooks



Available pack sizes

Packsizes	Designation	Packsizes	Designation
420 ml cartridge	LGEM 2/0.4	Electro-mechanical lubricators	
5 kg can	LGEM 2/5	TLSD series 125 ml	TLSD 125/EM2
18 kg pail	LGEM 2/18	TLSD series 125 ml refill	LGEM 2/SD125
180 kg drum	LGEM 2/180	TLSD series 250 ml	TLSD 250/EM2
Gas driven lubricators		TLSD series 250 ml refill	LGEM 2/SD250
LAGD series 60 ml	LAGD 60/EM2		
LAGD series 125 ml	LAGD 125/EM2		



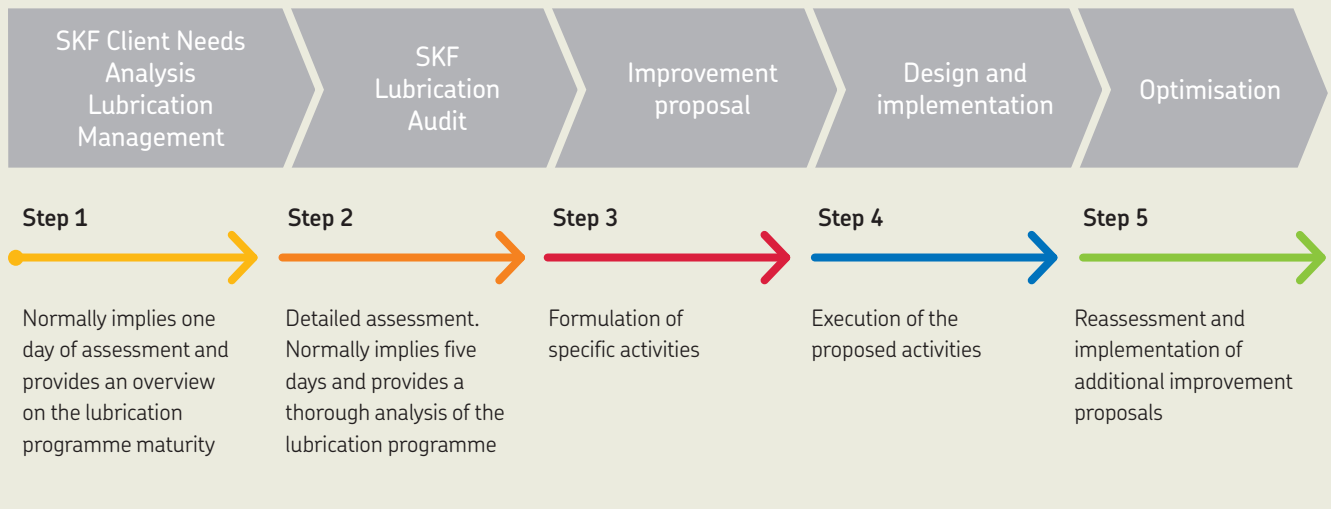
Technical data

Designation	LGEM 2/(pack size)		
DIN 51825 code	KPF2K-20	Corrosion protection	
NLGI consistency class	2	Emcor: – standard ISO 11007	0–0
Thickener	Lithium/calcium	– water washout test	0–0 ¹⁾
Colour	Black	Water resistance	
Base oil type	Mineral	DIN 51 807/1,	
Operating temperature range	–20 to +120 °C (–5 to +250 °F)	3 hrs at 90 °C	1 max.
Dropping point DIN ISO 2176	>180 °C (>355 °F)	Oil separation	
Base oil viscosity		DIN 51 817,	
40 °C, mm ² /s	500	7 days at 40 °C, static, %	1–5
100 °C, mm ² /s	32	Lubrication ability	
Penetration DIN ISO 2137		R2F, running test B at 120 °C	Pass at 100 °C (210 °F)
60 strokes, 10 ⁻¹ mm	265–295	Copper corrosion	
100 000 strokes, 10 ⁻¹ mm	325 max.	DIN 51 811	2 max. at 100 °C (210 °F)
Mechanical stability		EP performance	
Roll stability, 50 hrs at 80 °C, 10 ⁻¹ mm	345 max.	Wear scar DIN 51350/5, 1 400 N, mm	1,2 max.
V2F test	'M'	4–ball test, welding load DIN 51350/4, N	3 400 min.

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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