SKF High load, extreme pressure bearing grease

LGEP 2

SKF LGEP 2 is mineral oil based, lithium soap thickened grease with extreme pressure additives. This grease provides good lubrication in general applications subjected to harsh conditions and vibrations.

- Excellent mechanical stability
- Extremely good corrosion inhibiting properties
- Excellent EP performance

Typical applications

- Pulp and paper making machines
- Jaw crushers
- Dam gates
- Work roll bearings in steel industry
- Heavy machinery, vibrating screens
- Crane wheels, sheaves
- Slewing bearings

Available pack sizes

Packsize	Designation
420 ml cartridge	LGEP 2/0.4
1 kg can	LGEP 2/1
5 kg can	LGEP 2/5
18 kg pail	LGEP 2/18
50 kg drum	LGEP 2/50
180 kg drum	LGEP 2/180
Electro-mechanical lubricant dispensers	
TLMR 101 series 380 ml refill (incl. battery)	LGEP 2/MR380B
TLMR 201 series 380 ml refill	LGEP 2/MR380

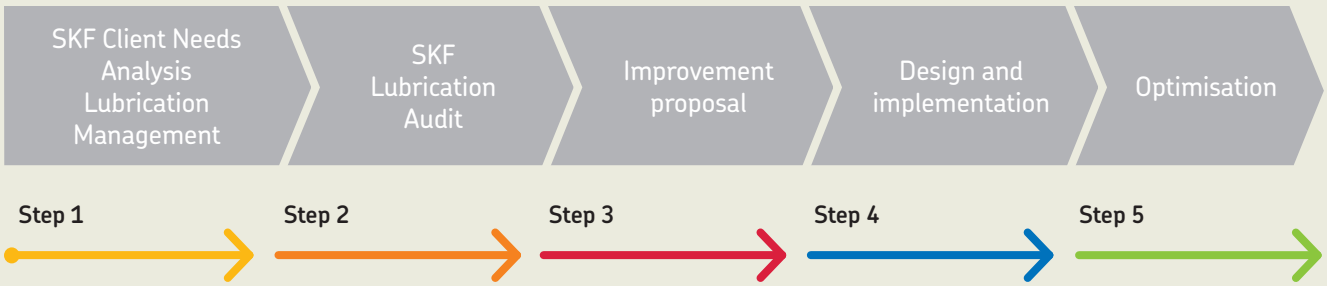
Technical data

Designation	LGEP 2/(pack size)
DIN 51825 code	KP2G-20
NLGI consistency class	2
Thickener	Lithium
Colour	Light brown
Base oil type	Mineral
Operating temperature range	–20 to +110 °C *(–5 to +230 °F)*
Dropping point DIN ISO 2176	>180 °C *(>355 °F)*
Base oil viscosity:	
40 °C, mm^2/s	200
100 °C, mm^2/s	16
Penetration DIN ISO 2137	
60 strokes, 10^{-1} mm	265–295
100 000 strokes, 10^{-1} mm	+50 max. (325 max.)
Mechanical stability:	
Roll stability, 50 hrs at 80 °C, 10^{-1} mm	+50 max.
V2F test	'M'
Corrosion protection	
Emcor: – standard ISO 11007	0–0
– water washout test	0–0
– salt water test (100% seawater)	1–1 [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, %	2–5
Lubrication ability	
R2F,	
running test B at 120 °C	Pass
Copper corrosion	
DIN 51 811	2 max. at 110 °C *(230 °F)*
EP performance	
Wear scar DIN 51350/5, 1 400 N, mm	1,4 max
4–ball test, welding load DIN 51350/4, N	2 800 min.
Fretting corrosion	
ASTM D4170 (mg)	5,7 [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.



Step 1

Normally implies one day of assessment and provides an overview on the lubrication programme maturity

Step 2

Detailed assessment. Normally implies five days and provides a thorough analysis of the lubrication programme

Step 3

Formulation of specific activities

Step 4

Execution of the proposed activities

Step 5

Reassessment and implementation of additional improvement proposals

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