

SKF High performance, high temperature bearing grease

LGHP 2

SKF LGHP 2 is a premium quality mineral oil based grease, using a modern Polyurea (di-urea) thickener. It is suitable for electric motors and similar applications.

- Extremely long life at high temperatures
- Wide temperature range
- Excellent corrosion protection
- High thermal and mechanical stability
- Good start-up performance at low temperatures
- Compatibility with common polyurea and lithium thickened greases
- Low noise properties

Typical applications

- Electric motors: Small, medium and large
- Industrial fans, including high speed fans
- Water pumps
- Rolling bearings in textile, paper processing and drying machines
- Applications with medium and high speed ball (and roller) bearings operating at medium and high temperatures
- Clutch release bearings
- Vertical shaft applications
- Kiln trucks and rollers



Available pack sizes

Packsize	Designation
420 ml cartridge	LGHP 2/0.4
1 kg can	LGHP 2/1
5 kg can	LGHP 2/5
18 kg pail	LGHP 2/18
50 kg drum	LGHP 2/50
180 kg drum	LGHP 2/180



Technical data

Designation	LGHP 2/(pack size)		
DIN 51825 code	K2N-40	Corrosion protection	
NLGI consistency class	2-3	Emcor: – standard ISO 11007	0-0
Thickener	Di-urea	– water washout test	0-0
Colour	Blue	– salt water test (100% seawater)	0-0
Base oil type	Mineral	Water resistance	
Operating temperature range	-40 to +150 °C (-40 to +300 °F)	DIN 51 807/1, 3 hrs at 90 °C	1 max.
Dropping point DIN ISO 2176	>240 °C (>465 °F)	Oil separation	
Base oil viscosity		DIN 51 817, 7 days at 40 °C, static, %	1-5 ¹⁾
40 °C, mm ² /s	96	Lubrication ability	
100 °C, mm ² /s	10,5	R2F, running test B at 120 °C	Pass
Penetration DIN ISO 2137		Copper corrosion	
60 strokes, 10 ⁻¹ mm	245-275	DIN 51 811	1 max. at 150 °C (300 °F)
100 000 strokes, 10 ⁻¹ mm	365 max.	Rolling bearing grease life	
Mechanical stability		ROF test	1 000 min.
Roll stability, 50 hrs at 80 °C, 10 ⁻¹ mm	365 max.	L ₅₀ life at 10 000 r/min., hrs	at 150 °C (300 °F)
		Fretting corrosion	
		ASTM D4170 (mg)	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.

