

LGHB 2

SKF High Load, High Temperature, High Viscosity Bearing Grease

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 anti-oxidation and anti-corrosion properties
- Excellent performance in applications running at high loads
- 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



Technical data

Designation	LGHB 2/(pack size)	
DIN 51825 code	KP2N-20	
NLGI consistency class	2	
Soap type	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 V2F test	-20 to +50 change 'M'
	Corrosion protection	
Emcor: - standard ISO 11007	0-0	
- water washout test	0-0	
- salt water test (100% seawater)	0-0*	
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, 110 °C	2 max. at 150 °C (300 °F)	
Rolling bearing grease life	ROF 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*
	4-ball test, welding load DIN 51350/4, N	4 000 min.
Fretting corrosion	ASTM D4170 (mg)	0*
	Available pack sizes	420 ml cartridge 5, 18, 50, 180 kg SKF SYSTEM 24 (LAGD/TLSD), TLMR

* Typical value