LGEP 2

SKF High Load, Extreme Pressure Bearing Grease

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
- Traction motors for rail vehicles
- Dam gates
- Work roll bearings in steel industry
- Heavy machinery, vibrating screens
- Crane wheels, sheaves
- Slewing bearings





Technical data

Designation	LGEP 2/(pack size)
DIN 51825 code	KP2G-20
NLGI consistency class	2
Soap type	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 100 °C, mm^2/s	 200 16
Penetration DIN ISO 2137: 60 strokes, 10^{-1} mm 100 000 strokes, 10^{-1} mm	 265–295 +50 max. (325 max.)
Mechanical stability: Roll stability, 50 hrs at 80 °C, 10^{-1} mm V2F test	 +50 max. 'M'
Corrosion protection: Emcor: – standard ISO 11007 – water washout test – salt water test (100% seawater)	 0–0 0–0 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, 110 °C	 2 max.
EP performance Wear scar DIN 51350/5, 1 400 N, mm 4–ball test, welding load DIN 51350/4, N	 1,4 max 2 800 min.
Fretting corrosion ASTM D4170 (mg)	 5,7*
Available pack sizes	420 ml cartridge 1, 5, 18, 50, 180 kg TLMR

* Typical value



SKF lubricants offer major competitive advantages:

- Designed and tested to outperform under real conditions
- Product data include specific test results enabling a better selection
- Strict quality control of every production batch helps ensure consistent performance
- Quality control allows SKF to offer a five–year shelf-life* from the date of production



Production processes and raw materials vastly influence grease properties and performance. It is virtually impossible to select or compare greases based only on their composition. Therefore, performance tests are needed to provide crucial information. In over 100 years, SKF has accrued vast knowledge about the interaction of lubricants, materials and surfaces.



This knowledge has led SKF, in many cases, to set industry standards in bearing lubricant testing. Emcor, ROF, ROF+, V2F, R2F and Bequiet are just some of the multiple tests developed by SKF to assess the performance of lubricants under bearing operating conditions. Many of them are widely used by lubricant manufacturers worldwide.

* SKF LGFP 2 food grade grease offers a two-year shelf-life from the date of production

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