

Description

SKF grease LGEP 2 is a mineral oil based lithium soap thickened grease with extreme pressure additives. SKF LGEP 2 can be used from -20 °C (-4 °F) and up to 110 °C (230 °F) still providing good lubrication.

Application

SKF grease LGEP 2 is suitable for the following applications:

- Pulp and paper making machines
- Jaw crushers
- Traction motors for rail vehicles
- Dam gates

This grease is used in the pre-filling of SKF bearings under the product designation VT143.

Benefits

The excellent mechanical stability of LGEP 2 ensures that the grease is not ejected or losing its consistency in heavily vibrating machinery. Even where water enters the bearing arrangement the extremely good corrosion inhibiting properties of the grease will provide protection against rust. SKF grease LGEP 2 contains extreme pressure additives giving a basic welding load of 2 800 N making it suitable for medium to large size bearings running at low to normal speeds under high loads.



Available pack sizes

420 ml cartridge	1 kg can	5 kg can	18 kg drum	50 kg drum	180 kg drum
------------------	----------	----------	------------	------------	-------------

Technical data

Designation	LGEP 2/(pack size)		
DIN 51825 code	KP2G-20		i
NLGI consistency class	2		i
Soap type	lithium		i
Colour	light brown		i
Base oil type	mineral		i
Operating temperature range, °C (°F)	-20 to 110 (-4 to 230)		i
Dropping point DIN ISO 2176, °C (°F)	180 min. (356 min.)		i
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		i
100 000 strokes, 10 ⁻¹ mm	+50 max. (325 max.)		
Mechanical stability			
Roll stability, 50 hours at 80 °C, change 10 ⁻¹ mm	+50 max.		
SKF V2F test	'M'		
Corrosion protection			
SKF Emcor:	Standard ISO 11007	0 - 0	i
	Water washout test	0 - 0	
	Salt water test (100% seawater)	-	
Water resistance			
DIN 51 807/1, 3 hrs at 90 °C	1 max.		i
Oil separation			
DIN 51 817, 7 days at 40 °C, static, %	2 - 5		i
Lubricating ability			
SKF R2F, running test B at 120 °C	pass		i
Copper corrosion			
DIN 51 811, 100 °C	2 max.		i
Rolling bearing grease life			
SKF R0F test L50 life at 10 000 rpm, hrs	-		i
EP performance			
Wear scar, DIN 51350/5, 1 400 N, mm	1,4 max.		
4 ball test, welding load, DIN 51350/4	2 800 min		

