SKF High load, extreme pressure, wide temperature range bearing grease

LGWA 2

SKF LGWA 2 is a premium quality mineral oil based, lithium complex grease with extreme pressure (EP) performance. LGWA 2 is recommended for general industrial and automotive applications, when loads or temperatures exceed the range of general purpose greases.

- Excellent lubrication at peak temperatures up to 220 °C *(430 °F)* for short periods
- Protection of wheel bearings operating under severe conditions
- Effective lubrication in wet conditions
- Good water and corrosion resistance
- Excellent lubrication under high loads and low speeds

Typical applications

- Wheel bearings in cars, trailers and trucks
- Washing machines
- Fan and electric motors

Available pack sizes

Packsize	Designation	Packsize	Designation
200 g tube	LGWA 2/0.2	**Electro-mechanical lubricators**	
420 ml cartridge	LGWA 2/0.4	TLSD series 125 ml	TLSD 125/WA2
1 kg can	LGWA 2/1	TLSD series 125 ml refill	LGWA 2/SD125
5 kg can	LGWA 2/5	TLSD series 250 ml	TLSD 250/WA2
18 kg pail	LGWA 2/18	TLSD series 250 ml refill	LGWA 2/SD250
50 kg drum	LGWA 2/50	**Electro-mechanical lubricant dispensers**	
180 kg drum	LGWA 2/180	TLMR 101 series 120 ml refill (incl. battery)	LGWA 2/MR120B
Gas driven lubricators		TLMR 201 series 120 ml refill	LGWA 2/MR120
LAGD series 60 ml	LAGD 60/WA2	TLMR 101 series 380 ml refill (incl. battery)	LGWA 2/MR380B
LAGD series 125 ml	LAGD 125/WA2	TLMR 201 series 380 ml refill	LGWA 2/MR380

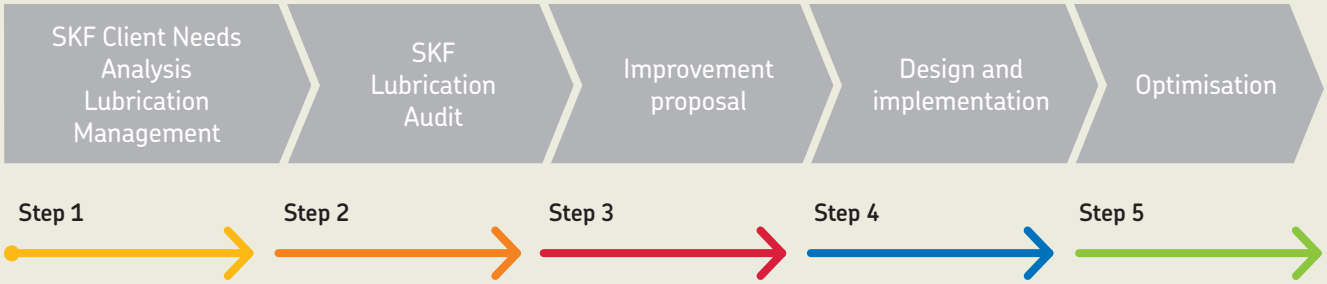
Technical data

Designation	LGWA 2/(pack size)
DIN 51825 code	KP2N-30
NLGI consistency class	2
Thickener	Lithium complex
Colour	Amber
Base oil type	Mineral
Operating temperature range	–30 to +140 °C *(–20 to +285 °F)*
Dropping point DIN ISO 2176	>250 °C *(>480 °F)*
Base oil viscosity	
40 °C, mm^2/s	185
100 °C, mm^2/s	15
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. change
V2F test	'M'
Corrosion protection	
Emcor: – standard ISO 11007	0–0
– water washout test	0–0 [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, %	1–5
Lubrication ability	
R2F, running test B at 120 °C	Pass at 100 °C *(210 °F)*
Copper corrosion	
DIN 51 811	2 max. at 100 °C *(210 °F)*
EP performance	
Wear scar DIN 51350/5, 1 400 N, mm	1,6 max.
4–ball test, welding load DIN 51350/4, N	2 600 min.

[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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