



Lubrigrease BIO EP 12

GRS-6022

Biodegradable grease

CLASSIFICATION

DIN 51502 KEP2G-20
ISO 6743 ISO-L-XBBIB2

PRODUCT DESCRIPTION

Lubrigrease BIO EP 12 is an anhydrous calcium thickened lubricating grease based on an optimal blend of renewable biodegradable vegetable oils and biologically degradable esters. The grease contains antioxidants, corrosion inhibitors and EP/AW additives.

The thickener, together with the environmentally adapted base oil, make the product suitable for various applications within given temperature limits. The lubricating grease offers good mechanical stability, load carrying capacity and corrosion protection, making it suitable for heavily loaded bearings as well as wet environments.

Lubrigrease BIO EP 12 is a modern high performance readily biodegradable grease for both industrial and automotive applications. The product's all-round properties make it the primary choice for various types of bearing applications especially in cases with "lost lubrication".

- Good mechanical stability
- High load carrying capacity
- Good corrosion protection
- Readily biodegradable

TYPICAL TECHNICAL DATA

Thickener		Anhydrous Calcium
Base oil		Vegetable oil/Biodegradable esters
Colour	Visual	Light brown
NLGI Grade	ASTM D217	2
Dropping point	IP 396	>140°C
Base oil viscosity at 40°C	ISO 12058	130 mm ² /s
Base oil viscosity at 100°C	ISO 12058	24 mm ² /s
4-ball weld load	DIN 51350:4	2800 N
Temperature range		-20°C to +80°C, Max +100°C

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment. Lubrita check oil level design is trade mark of PMM Ltd. or one of its subsidiaries.



TYPICAL TECHNICAL DATA

		Typical Value
Mechanical stability		
Penetration 60 strokes	ISO 2137	265-295
Penetration 100.000 strokes	ISO 2137	+25
Corrosion protection		
SKF Emcor WWO distilled water	ISO 11007mod	0-0
SKF Emcor WWO salt water	ISO 11007mod	3-3
Copper corrosion 24h/100°C	ASTM D4048	1b
Water stability		
Water resistance	DIN 51807/1	0-90
Water wash out 1h/80°C	ISO 11009	5%
Anti-wear properties		
4-ball wear scar (1h at 400N)	DIN 51350:5	0,5 mm
Others		
Approx. density at 20°C	IPPM-CS/03	0,93
Biodegradability	OECD 301B	>80%

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More information available:

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