



Lubrigrease SEP 12

GRS-6015

General manufacturing synthetic grease

CLASSIFICATION

DIN 51502 KP2N-40
ISO 6743 ISO-L-XDDIB2

PRODUCT DESCRIPTION

SEP 12 is a lithium complex thickened lubricating grease based on synthetic oil. The grease contains antioxidants, corrosion inhibitors and EP/AW additives based on bismuth technology.

The thickener, together with the synthetic base oil, makes the product suitable for both high and low temperature applications. The complex soap structure also gives the product a high degree of mechanical stability. This enhances the performance in vibrating housings and prolongs relubrication intervals.

The specially developed bismuth additive package gives the grease a very high load carrying capacity and excellent wear protection.

SEP 12 is a modern high performance synthetic product suitable for both industrial and automotive applications. The product's all-round properties and wide temperature range make it the primary choice for various types of bearing applications including high and low temperature conditions.

- Excellent at high and low temperatures
- Very good mechanical stability
- High load carrying capacity
- Good corrosion protection

TYPICAL TECHNICAL DATA

Thickener		Lithium Complex
Base oil		Synthetic oil
Colour	Visual	Beige
NLGI Grade	ASTM D217	2
Dropping point	IP 396	>260°C
Base oil viscosity at 40°C	ISO 12058	100 mm ² /s
Base oil viscosity at 100°C	ISO 12058	14 mm ² /s
4-ball weld load	DIN 51350:4	3400 N
Temperature range		-40°C to +150°C Max +220°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

Mechanical stability

		Typical Value
Penetration 60 strokes	ISO 2137	265-295
Penetration 100.000 strokes	ISO 2137	+30
Shell roll stability 50h/80°C	ASTM D1831mod	+40

Corrosion protection

SKF Emdor distilled water	ISO 11007	0-0
SKF Emdor salt water	ISO 11007	0-0
SKF Emdor WWO distilled water	ISO 11007mod	0-0
SKF Emdor WWO salt water	ISO 11007mod	2-2
Copper corrosion 24h/100°C	ASTM D4048	1b

Water stability

Water resistance	DIN 51807/1	1-90
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Oil Separation

Separation 168h/40°C	IP 121	3%
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Lubrication ability

SKF R2F test B at 140°C	SKF	Pass
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Anti-wear properties

4-ball wear scar (1h at 400N)	DIN 51350:5	0,7 mm
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Others

Approx. density at 20°C	IPPM-CS/03	0,91
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More information available:

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