



Lubrigrease LB EP 515

GRS-6019

Heavy duty manufacturing grease

CLASSIFICATION

DIN 51502 KP1,5N-20
ISO 6743 ISO-L-XBDIB1,5

PRODUCT DESCRIPTION

Lubrigrease LB EP 515 is a lithium bismuth complex thickened lubricating grease based on a mixture of mineral oil and polymer. The grease contains antioxidants and corrosion inhibitors. The product does not contain conventional EP and AW-additives since they are built in as an integral part of the soap structure.

This functional soap, together with the special base oil blend, makes the product suitable for applications at elevated temperatures, heavily loaded bearings and in wet and corrosive environments. The complex soap structure also gives the product a high degree of mechanical stability.

This enhances the performance and prolongs re-lubrication intervals. The specially developed thickener gives the grease a very high load carrying capacity and excellent wear protection.

Lubrigrease LB EP 515 is a modern high performance grease based on a novel thickener technology. The product is suitable for various types of bearing applications in heavy industry and it is a primary choice for heavily loaded bearing applications at elevated temperatures. The consistency of the lubricating grease makes it suitable for use in industrial centralised lubrication systems.

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

TYPICAL TECHNICAL DATA

Thickener		Lithium-Bismuth Complex
Base oil		Mineral oil/Polymer
Colour	Visual	Orange
NLGI Grade	ASTM D217	1,5
Dropping point	IP 396	>260°C
Base oil viscosity at 40°C	ISO 12058	550 mm ² /s
Base oil viscosity at 100°C	ISO 12058	37 mm ² /s
4-ball weld load	DIN 51350:4	3600 N
Temperature range		-20°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	290-320
Penetration 100.000 strokes	ISO 2137	+35
Shell roll stability 50h/80°C	ASTM D1831mod	+60

Corrosion protection

SKF Emcor WWO distilled water	ISO 11007mod	0-0
SKF Emcor WWO salt water	ISO 11007mod	2-3
Copper corrosion 24h/100°C	ASTM D4048	1b

Water stability

Water resistance	DIN 51807/1	1-90
Water washout 1h/80°C	ISO 11009	2%

Oil Separation

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

SKF R2F test A	SKF	Pass
SKF R2F test B at 150°C	SKF	Pass

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	0,90
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