PRODUCT DATA SHEET

EKOGREASE Li-X EM 3

Lithium complex grease

DESCRIPTION

EKOGREASE Li-X EM 3 is a state-of-the-art mineral oil-based, lithium complex soap-thickened grease. It contains antioxidants, corrosion inhibitors and EP/AW additives.

SPECIFICATIONS

DIN 51502 KP3N-30, ISO 6743 ISO –L-XCDEB3.

APPLICATIONS

- Lithium complex soap awards EKOGREASE Li-X EM 3 with optimal mechanical stability, making it suitable for use over a wide temperature range and ideal for high temperature operations.
- Suitable for the lubrication of roller bearings operating under heavy load and high temperature conditions of up to +160°C.
- Suitable for automotive and industrial uses.
- Suitable for roller bearings in electric motors and fans.

ADVANTAGES

- Excellent high temperature performance.
- Increased resistance to heavy loads.
- Improved mechanical stability, resulting in extended replacement intervals.
- Augmented resistance to water washout and superior protection against corrosion.

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TYPICAL CHARACTERISTICS

Properties	Methods	Units	EKOGREASE Li-X EM 3
Soap base	-	-	Lithium complex
Base oil	-	-	Mineral oil
NLGI	ASTM D217	-	3
Colour	Visual Inspection	-	Light yellow
Dropping point	IP 396	°C	>260
Base oil viscosity at 40°C	ISO 12058	cSt	110
Base oil viscosity at 100°C	ISO 12058	cSt	9
Density at 20°C	IP 530	g/cm^3	0.95
Penetration 60 strokes	ISO 2137	mm^{-1}	220-250
Penetration 100000 strokes	ISO 2137	mm^{-1}	+40
Shell roll stability 50 hours/80°C	ASTM D1831mod	-	+80
SKF Emcor distilled water	ISO 11007	-	0-0
Copper corrosion 24h/100°C	ASTM D4048	-	1b
Water resistance	DIN 51807/1	-	1-90
4-Ball weld load	DIN 51350:4	N	2600
4-ball wear scar (1h at 400N)	DIN 51350:5	mm	0.6
Timken 45 lbs	IP 326	-	OK

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TYPICAL CHARACTERISTICS

Properties	Methods	Units	EKOGREASE Li-X EM 3
Oil separation, 168 h/ 40°C	IP 121	%	1%
Lubrication ability: SKF R2F test A SKF R2F test B at 130°C	 SKF SKF	 - -	 Pass Pass
Operating temperature	-	°C	-30°C to +140°C, max. +160°C

HEALTH AND SAFETY

Protect the environment while disposing of used product.

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