

KAJO-BIO-Longlife Grease LZR 2



KAJO-BIO-Longlife grease LZR 2 is a special grease, saponified with lithium. It is awarded with the Ecolabel of the European Community, register- no. DE/027/039 as well as it has qualified for the environmental label “Blauer Engel” (Blue Angel) according to RAL-UZ 178. These regulations specify technical requirements as well as the percentage of renewable raw materials.

Practical advantages:

KAJO-BIO-Longlife Grease LZR 2 is very suitable for all lubrication areas at mobile and stationary equipment. As it is easily biodegradable, the product can be used in all sensitive environments. Due to the strong adhesiveness of the basic oils on metal surfaces as well as due to the selected

additives, this grease shows an extensive corrosion protection and an excellent water resistance.

KAJO-BIO-Longlife Grease LZR 2 can be used universally as long-life lubricating grease. It is especially recommended for lubrication areas, where there may be a discharge into environment, e.g. with nipple lubrication as well as open lubricating areas. This grease is suitable for the, construction industry, at lock gates, bridges, interlocking machines and similar applications close to water.

KAJO-BIO-Longlife Grease LZR 2 has been tested by the KWF at harvesters, forwarders, crawlers, caterpillars and low-loaders and proved to be convincing.

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Typical characteristics:

Properties	Value	Unit	Standard
NLGI class	2		DIN 51 818
Worked penetration (Pw60)	265-295	0,1 mm	ASTM D 217
Dropping point	190	°C	IP 396
Soap base	Lithium		
Base oil viscosity at 40 °C (synthetic ester)	320	mm ²	DIN EN ISO 3104
Viscosity index base oil	185		DIN ISO 2909
Water resistance	1-90		DIN 51 807-1
EMCOR dest. water	0 - 0		DIN 51 802
EMCOR sea water	0 - 0		DIN 51 802
Water spray off	<30	%	ASTM D 4049
Copper corrosion	1b	corrosion degree	DIN 51 811
VKA O.K.-load	3000	N	DIN 51 350-4
VKA welding load	3200	N	DIN 51 350-4
VKA 150N/1h	0,53	mm	DIN 51 350-5
Operating temperature range	-30 to +120	°C	DIN 51 825
Flow pressure Kesternich -30 °C	625	mbar	DIN 51805
Designation	KPE 2 K-30		DIN 51 502
Part of renewable raw materials	83	%	ASTM D 6866 Radio Carbon Method C ¹⁴

Version 5

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- All ratings are average values and are subject to production-related variations. -