

BIO TOOL GREASE

HIGH PERFORMANCE BIODEGRADABLE GREASE

Rammer BIO Tool Grease is a modern high performance biodegradable grease for hydraulic hammers.

This tool grease is specially formulated to be biodegradable and environmentally friendly. This makes it safe for use in areas with strict building codes like urban and city sites, in underwater applications, and in environmentally sensitive locations, like ground water areas.

Rammer BIO Tool Grease is a lithium complex thickened lubricating grease based on biodegradable esters and PAO. The grease contains antioxidants, corrosion inhibitors and EP/AW additives based on bismuth technology.

Read more about the product from
www.rammer.com



**Ram
mer®**

EXCELLENT TECHNICAL PERFORMANCE

The special formulation includes a thickener, which, together with the biodegradable synthetic base oils, makes it suitable for both high and low temperature applications. It also includes a complex soap structure to ensure high degree of mechanical stability. This enhances performance in vibrating housings and prolongs re-lubrication intervals. The specially developed bismuth additive package gives the grease a very high load carrying capacity and excellent wear protection.

USE, BENEFITS AND FEATURES

- Excellent mechanical stability
- Good load carrying capacity
- Extended re-lubrication intervals
- Good corrosion protection
- Readily biodegradable

SPECIFICATIONS

- DIN 51502: KPE2N-40
- ISO 6743: ISO-L-XCDIB2
- SS 15 54 70: Environmental Class B



TYPICAL PHYSICAL CHARACTERISTICS

Rammer BIO Tool Grease		Unit	Method
Thickener	Lithium complex		
Base oil	Biodegradable esters & PAO		
Color	Beige		
NLGI Grade	2		ASTM D 217
Penetration 60 strokes	290	1/10 mm	ISO 2137
Dropping point	>270	°C	IP 396
Base oil viscosity @ 40 °C	220	mm ² /s	ISO 12058
4-ball weld load	3400	N	DIN 51350:4
Temperature range	-40 to +140 Max +180	°C	
Water resistance	0		DIN 51807:1
Corrosion protection:			
Emcor 100% Salt (SSW)	2		ISO 11007
Emcor 100% Salt (SSW) WWO	2-3		ISO 11007
Oil Separation 40°C/168h	1.3	%	IP 121

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