



BIO OG+

DESCRIPTION

Biodegradable grease for open gear lubrication, with Calcium soap.



SPECIFICATIONS

BIO OG+ is > 60% biodegradable following OECD 301B

BIO OG+ is formulated in accordance with VGP EAL (Vessel General Permit -Environmentally Acceptable Lubricant)

ISO 6743-9: L-XDBIB 1

DIN 51502: OGP1E-40

APPLICATIONS

BIO OG+ is an extreme pressure, adhesive and biodegradable grease dedicated for the lubrication of open gears and chains working under water, also environments where water contamination is common and when a lubricant with a wide temperature range is required along with high loads.

BIO OG+ is developed for systems with very high environmental constraints.

ADVANTAGES

BIO OG+ meets the most challenging industrial requirements:

Excellent mechanical stability and good adhesiveness;

Forms a durable lubrication film resulting in reduction of maintenance and down-time costs;

Remarkable load resistance thanks to its high extreme pressure and anti-wear properties;

Excellent water resistance and good anti-corrosion performance, even under sea water;

Non toxic towards aquatic environment and highly biodegradable.

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.

A material safety data sheet conforming to the regulations in use in the E.C. is obtainable via your commercial adviser www.quick-fds.com.

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RECOMMENDATIONS

Always avoid contamination of the grease by dust and/or dirt when applying.

Store the product at temperatures between 0 and 35°C.

Shelf life: 24 months from date of manufacture (unopened).

TYPICAL CHARACTERISTICS

TYPICAL CHARACTERISTICS	METHODS	UNITS	BIO OG+
Soap/thickener	-	-	Calcium
Color	Visual	-	Yellow
Appearance	Visual	-	Adhesive
NLGI grade	ASTM D 217	grade	0 - 1
Operating temperature range	-	°C	from -45 to 90
Penetration at 25 °C	ASTM D 217	0.1 mm	330 - 360
Four ball weld load	ASTM D2596	Kgf	500
Dropping point	ISO 2176	°C	150
EMCOR, distilled water	ISO 11007	rating	0/0
EMCOR, synthetic sea water	ISO 11007	rating	2/2
Base oil type	-	-	ester
Kinematic viscosity of base oil mix at 40°C	ISO 3104	mm ² /s	990
Water spray off (40 psi/38°C)	ASTM D 4049	%	42

Above characteristics are mean values given as an information.

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