

# BIOMULTIS EP 2



Grease



High-performance extreme pressure biodegradable lithium grease.

## APPLICATIONS

Biodegradable grease  
ECOLABEL

Extreme pressure  
Multipurpose

Recommended for severe  
applications

- **BIOMULTIS EP 2** is designed for on road and off road applications in environmental sensitive areas like agriculture, public works, forest, inland and coastal shipping (locks)...
- **BIOMULTIS EP 2** is a multi purpose grease, especially formulated for the lubrication of bearings, slide bearings or universal joints.
- **BIOMULTIS EP 2** is adapted for the lubrication of applications operating in wet, dusty and/or dry conditions and with medium load and speed in transport, agriculture and off road vehicles.
- **BIOMULTIS EP 2** is developed for loss lubrication with very high environmental constraints.
- Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use a pneumatic pump system or cartridges.

## SPECIFICATIONS

- Environmentally Acceptable Lubricant (EAL) for the 2013 Vessel General Permit (VGP)
- ISO 6743-9: L-XCEEB 2
- DIN 51502: KP2K-30

## ADVANTAGES

Extensive application range

Durable film

Low environmental impact :  
biodegradable, low toxicity to  
aquatic organisms

- Due to its multipurpose character, **BIOMULTIS EP 2** may replace a wide range of greases, allowing stock rationalization and simplification of maintenance.
- Forms a durable lubrication film with a good resistance to water and variation of temperature resulting in reduction of maintenance and down-time costs
- Miscible with most other conventional soap greases.
- **BIOMULTIS EP 2** does not contain lead, or other heavy metals considered harmful to human health and the environment.
- **BIOMULTIS EP 2** is an ultimately biodegradable grease, with low toxicity to aquatic organisms and contains more than 50% of renewable raw materials.

TYPICAL CHARACTERISTICS	METHODS	UNITS	BIOMULTIS EP 2
Thickener		-	Lithium
NLGI Grade	ASTM D 217/DIN 51 818	-	2
Color	Visual	-	Brown
Appearance	Visual	-	Smooth
Operating temperature range		°C	- 30 to +140
Penetration at 25°C	ASTM D 217/DIN51 818	0.1 mm	265-295
Anti-rust performance SKF- EMCOR	ISO 11007	Rating	0/0
4-ball weld load	ASTM D 2596	kgf	315
4-ball wear	ASTM D 2266	mm	0,8
Dropping point	IP 396/ISO 2176	°C	> 180
Base oil viscosity of the base oil at 40 °C	ASTM D 445/DIN 51 562-1/ISO 3104/ IP71	mm <sup>2</sup> /s (cSt)	150
Biodegradability	OECD 301 B	%	63%

Above characteristics are mean values given as an information

TOTAL LUBRIFIANTS  
INDUSTRIE  
22-06-2015 (supersedes 12-03-2012)  
BIOMULTIS EP 2  
1/1

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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](http://www.quick-fds.com).