

BioMULTIS SEP 2



Grease

Multi purpose extreme pressure biodegradable lithium/calcium grease.

APPLICATIONS

Multi purpose medium duty EP biodegradable grease
General Lubrication

Recommendation

- **BioMULTIS SEP 2** is designed for the lubrication various applications in all types of operating conditions, but particularly where the operation temperature is high and the use of conventional lithium greases is limited.
- **BioMULTIS SEP 2** is a true multi purpose grease, formulated for lubrication of loaded slide-ball-, and roller-bearings, wheelbearings, universal joints, chassis, and various shock loaded or vibrating applications in transport, agriculture and off road vehicles.
- Specially suitable for loss lubrication in environmental sensitive areas, is also suitable as a "EP" general purpose grease in a wide range of 'outdoor' applications where water is in frequent contact with the grease
- Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use a pneumatic pump system or cartridges.

SPECIFICATIONS

- ISO 6743-9: L-XDDEB 2
- DIN 51502: KPE2N-35

ADVANTAGES

Extensive application range
Durable film
Mechanical stability
Thermal stability
Miscible

- Thanks to its sophisticated formulation **BioMULTIS SEP 2** meets a wide variety of requirements. Its range of applications is extensive, allowing stock rationalization and simplification of maintenance.
- Fulfills the requirements of most automotive Original Equipment Manufacturers.
- Forms a lubricating film which is durable, and resistant to humidity, temperature variations and pollution, and hence reduces maintenance and costs.
- Miscible with most other conventional soap greases.

TYPICAL CHARACTERISTICS	METHODS	UNITS	BioMULTIS SEP 2
Soap/thickener		-	Lithium/ Calcium
NLGI grade	ASTM D 217/DIN 51 818	-	2
Color	Visual	-	Glazy brown
Appearance	Visual	-	Smooth
Operating temperature range		°C	- 35 to 150
Penetration at 25°C	ASTM D 217/DIN51 818	0.1 mm	265 - 295
Four ball weld load	DIN 51 350-4	daN	260 - 280
Anti-rust performance SKF- EMCOR	DIN 51 802/IP220/NFT 60-135/ISO 11007	rating	0 - 0
Dropping point	IP 396/DIN ISO 2176	°C	> 180
Kinematic viscosity of the base oil at 40°C	ASTM D 445/DIN 51 562-1/ISO 3104/IP71	mm ² /s (cSt)	55
Biodegradability	CEC-L-33A-T93	%	> 95

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS
Industrie & Spécialités
11-06-2009 (supersedes 05-09-2008)
BioMULTIS SEP 2
1/1



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.