



Description

High-performance extreme pressure biodegradable lithium grease.

Applications

- + BIOMULTIS EP 2 is designed for applications in environmentally sensitive industries like marine, agriculture and forestry.
- + BIOMULTIS EP 2 is a multipurpose grease for thruster and rudder bearings and deck equipment.
- + 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.

Environmentally Acceptable Greases (EAL)

Specifications

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

Features and Benefits

- + 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	2
Thickener		–	Lithium
NLGI Grade	ASTM D217/DIN 51818	–	2
Color	Visual	–	Brown
Appearance	Visual	–	Smooth
Operating temperature range		°C	-30 to +140
Penetration at 25°C	ASTM D217/DIN 51818	0.1mm	265 – 290
Anti-rust performance SKF-MECOR	ISO 11007	Rating	0/0
Dropping Point	IP396/DIN ISO 2176	°C	> 180
Kinematic viscosity of the base oil at 40°C	ASTM D445/DIN 51562-1/ ISO 3104/IP71	mm ² /s (cSt)	158
Biodegradability	OECD301B	%	81.6

Characteristics of this chart are indicative typical values.

Handling, Health & Safety

Due to the presence of a natural component in the product you may notice a variation in colour, this does not in anyway affect the performance of the product. BIOMULTIS EP 2 grease contains synthetic base oil with additives. In normal conditions of use, these lubricants present no particular toxic hazard. All lubricants, of any kind, should always be handled with great care, particularly avoiding any contact with the skin. Prevent and risk of splashing and keep away from flammable materials. Store under cover and away from any risk of contamination

A safety data sheet complying with current legislation is available at: www.quickfds.com and www.totallubmarine.com