

H.S.T.N: 34039900 REF: MKT.PDS.79

REV: 8

BIOGREASE EP0



DESCRIPTION

BIOGREASE EP0 is an environmentally acceptable Lithium / Calcium thickened lubricating grease based on fully saturated renewable esters.

APPLICATIONS

It is designed for use in sensitive marine environments and can be used in a variety of marine applications which demand a semi-fluid NLGI 0 grease, primarily for rudder stocks (centralised lubrication systems) and propeller hubs and caps.

VGP & ECOLABEL



BIOGREASE EP0 has been awarded the European Ecolabel for lubricants and therefore meets the VGP definition of an Environmentally Acceptable Lubricant.

The EU Ecolabel is a label of environmental excellence that is awarded to products and services meeting high environmental standards throughout their life-cycle: from raw material extraction, to production, distribution and disposal.

EU Ecolabel: NL/027/018

FEATURES

- BIOGREASE EP0 may be applied manually or via a centralised lubrication system using suitable pumps. The
 grease has a wide operating temperature with a lower working temperature of -25°C and an upper temperature
 of +140°C.
- BIOGREASE EP0 achieves a biodegradability of > 60% in the 28-day OECD 301B test and is considered non-toxic in the marine environment.

BENEFITS

- Has good resistance to the washing action of rain and seawater (ASTM D1264).
- Provides effective corrosion protection to metals commonly found in the marine environment.
- Contains EP additives to reduce wear and friction and has good EP / load carrying capabilities.
- Resistant to oxidation (ASTM D942).
- Compatible with Nitrile and Fluoroelastomers (ASTM D4289)

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PERFORMANCE DATA

Wear Protection Contains EP additives to reduce wear and friction and has good EP / load

> carrying characteristics. Performance in a 4-ball EP weld test >315 kg (ASTM D2596). Performance in an EP Timken test showed OK load 55 lbs

(ASTM D2509).

Corrosion Protection Provides effective corrosion protection to metals commonly found in the

> marine environment. Performance in copper corrosion test shows good protection to copper (1b ASTM D4048) and in the dynamic anti-rust

(EMCOR) test achieves a 0,1 rating (ASTM D6138).

Water Resistance Shows good resistance to the washing action of rain and sea water giving

4.6% washout at 38°C (ASTM D1264).

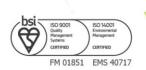
Seal Compatibility Compatible with Nitrile and Fluoroelastomers (ASTM D4289).

TYPICAL CHARACTERISTICS AND PROPERTIES

BIOGREASE EP0	TEST METHOD	RESULT
Appearance	Visual	Amber Grease
Consistency	ASTM D217	NLGI 0
Kinematic Viscosity of Base oil @ 40°C (cSt)	ASTM D7042	150
Drop Point (°C)	ASTM D2265	174
Penetration worked @ 25°C	ASTM D217	367
4-ball weld load (kg)	ASTM D2596	>315
Designation	DIN 51825	KPEON-25
Shelf Life		5 years in original sealed containers stored out of direct sunlight

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