

PRODUCT & TECHNICAL DATA

CASTROL BIOTAC EP2

Environmentally responsible multipurpose EP grease

DESCRIPTION

BioTac EP 2 grease is based on a synthetic ester and a lithium/calcium soap as thickener. It is a multipurpose lubricant formulated with a base oil which is readily biodegradable based on the OECD 301 B method.

APPLICATIONS

BioTac EP 2 is suitable for the lubrication of both rolling and plain element bearings, wire ropes, as well as the general lubrication of various marine equipment. Its biodegradability is of particular benefit where there is a risk of environmental contamination due to leakage in total loss lubrication systems.

This grease possesses a high degree of mechanical stability and highly effective water resistance. It also contains a specially selected system of additives to enhance corrosion protection, increase its resistance to oxidation and provide very good load carrying capability.

The inclusion of a synthetic base fluid enables good low temperature pumpability in central lubrication systems.

Recommended operating temperature range: -35 to +120 °C.

FEATURES/BENEFITS

- Biodegradable – Ideal for applications where grease contamination of the environment may occur.
- Very good low temperature pumpability.
- Excellent resistance to water.
- Very good EP protection contributing to extended component life and reduced maintenance.

CARE AND HANDLING

Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

PACKAGING AND STORAGE

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings.

Products should not be stored above 60°C, exposed to hot sun or freezing conditions.



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TECHNICAL DATA

TYPICAL CHARACTERISTICS	UNIT	TEST METHOD	VALUE
BioTac	-	-	EP2
NLGI Classification	-	ASTM D217	2
Thickener			Lithium/Calcium Soap
Penetration, Worked (0.1mm)		ASTM D217 / ISO 2137	265 - 295
Kinematic Viscosity @ 40°C	cSt	ASTM D446	105
Drop point	°C	ASTM D566	>170
Operating temp, min/max	°C		-35 /120
Four ball test	N	ASTM 2596	2,400
Corrosion Protection, Emcor			
Distilled water		IP 220	0
Synthetic water		IP 220	1
Cu-corrosion 24 hr/60°C		DIN 51 811	1
Timken OK-load	lbs	ASTM D2509	45
SKF-R2F-testrig/120°C Running condition 'B'		DIN 51806	Pass
Water spray –off		ASTM D4049	11
Biodegradability		OECD 301B	>80%

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

GENERAL ADVICE

Further information on all Castrol Marine lubricants is available from any Castrol Marine office or from:

Castrol Marine www.castrolmarine.com
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