Product Data

BioTac EP 2

Environmentally responsible EP grease

Description

Castrol BioTac EP 2 is based on a synthetic ester grease and a lithium/calcium soap as thickener and is primarily used on wire ropes in marine applications. It is formulated with a base oil that is rapidly biodegradable.

Application

BioTac EP 2 is suitable for wire rope lubrication. It 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

- BioTac EP 2 provides improved marine biodegradation potential in comparison with conventional grease.
  - Ideal for applications where grease may enter the marine environment.
  - Good pumpability at low temperatures facilitates use of pressurised lubrication equipment.
  - Water spray-off resistance reduces frequency of application.
  - Good EP and anti-corrosion properties protecting equipment and adding value.

Additional Information

Whilst traditional ways of applying grease on wire ropes can be utilized, use of a proprietary pressurised grease applicator in accordance with manufacturer's instructions may assist in applying the appropriate quantity of grease and may also help to protect the core of the wire rope. Care should be taken to ensure that only a thin film of grease is applied to the external surfaces of the wire ropes as excessive greasing could potentially lead to contamination of surrounding areas.

Technical Data

Name	Method	Units	BioTac EP 2
NLGI Classification	ASTM D217	-	2
Thickener		-	Lithium/Calcium Soap
Penetration, Worked (0.1mm)	ASTM D217 / ISO 2137	-	265 - 295
Kinematic Viscosity at 40°C	ASTM D446	cSt	105
Drop Point	ASTM D566	°C	> 170
Operating temperature, min/max		°C	-35 / 120
Four Ball Test, Weld Point	ASTM 2596	kg	240
Corrosion Protection, Emcor - Distilled Water	IP 220	-	0
Corrosion Protection, Emcor - Synthetic Water	IP 220	-	1
Copper corrosion, 24 hours at 60°C	DIN 51 811	-	1

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

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.

Castrol Marine, Technology Centre, Whitchurch Hill, Pangbourne, Reading RG8 7QR, United Kingdom

www.castrolmarine.com