

Castrol BioTac EP2

Environmentally responsible EP grease

Description

BioTac EP2 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 EP2 is suitable for the lubrication of both rolling and plain bearings of certain engine room equipment. It can also be used for wire rope lubrication.

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.

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Castrol Australia Pty Limited, GPO Box 5222, Melbourne VIC 3001
Technical Advice Line 1300 557 998 / Customer Service 1300 722 088

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, Weld Point	kg	ASTM 2596	240
Corrosion Protection, Emscor			0
Distilled water		IP 220	1
Synthetic water		IP 220	
Cu-corrosion 24 hr/60°C		DIN 51 811	1
Timken OK-load	lbs	ASTM D2509	45
SKF-R2F-testing/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.

Additional Information

BioTac EP2 is classified as non hazardous according to the criteria of NOHSC. However, in line with safe handling practices, it is recommended that the handling instructions outlined in the Castrol Material Safety Data Sheet be followed.

BioTac EP2 is classified as a C2 combustible liquid for storage and handling purposes. Store in a cool, dry, well-ventilated area 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. Store away from incompatible materials such as materials that support combustion (oxidising materials). Reference should be made to Australian Standard AS 1940 – The storage and handling of flammable and combustible liquids.

Spillage:

SMALL - 20 LITRES OR LESS

Soak up on Castrol Diatomaceous Earth or similar inert oil absorbent. Arrange for disposal through an approved facility.

LARGE - GREATER THAN 20 LITRES

Contain as soon as possible, remove by best means available and arrange recycling (preferred) or disposal through an approved facility.

Disposal:

New or used material must not be allowed to enter the ground, ground water, water courses, sewers or drainage systems. Advice may be sought from the Environmental Protection Authority or from the local waste disposal authority.

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