

PRODUCT & TECHNICAL DATA

CASTROL BIOTAC EP 2

ENVIRONMENTALLY FRIENDLY MULTIPURPOSE EP GREASE

INTRODUCTION

Castrol BioTac EP 2 is a grease 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

Castrol BioTac EP 2 is suitable for the lubrication of both rolling and plain element bearings, as well as the general lubrication of mobile and fixed industrial equipment. It's 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: -30 to +120 °C.

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.
- Biodegradable (> 80%) in CEC L-33-A-93

STORAGE

All packages should be stored upright in a covered area, away from extreme climatic influences, dirt and dust.

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TYPICAL CHARACTERISTICS

CASTROL BIOTAC EP 2

Base	Lithium/Calcium
NLGI Classification	2
Colour	Green
Dropping Point, ISO 2176 °C	>170
Kinematic Viscosity 40 °C ASTM D446	105 cSt
Worked Cone Penetration IP 50	265-295
Corrosion Protection, Emscor (IP 220)	
Distilled Water	0
Synthetic Water	1
Cu-Corrosion DIN 51 811 24 h / 60 °C	1
Timken OK-load ASTM D2509 lbs	45
Four - Ball - Test DIN 51350 N	2800
SKF-R2F-testrig/120 deg C DIN 51806 Running Cond. 'B'	pass
Water Spray -Off , ASTM D4049	11
Flow pressure at -30 °C DIN 51805 kPa	<60
Biodegradability , OECD 301B	>80%



Marine