

CALCOGRAF BIO HEAVY

BIODEGRADABLE GRAPHITED GREASE

DESCRIPTION

Grease manufactured with biodegradable base and special calcium soap, with additives and micronized graphite.

APPLICATIONS

It is specially formulated for rail lubrication systems in railways. Also it can be suitable for lubrication points where a high adherence and emergency lubrication properties are requested, in applications where there is the possibility of leakage into the environment, as for example in:

- ⇒ Heavy duty and agriculture machinery.
- ⇒ Civil Works machinery.
- ⇒ Wood cutting and debarking machinery in pulp and paper industry
- ⇒ Slide ways.
- ⇒ Eccentrics.
- ⇒ Open gears.

PROPERTIES

- Excellent water resistance.
- High anticorrosive, antioxidant and antiwear power.
- The high content in pure graphite offers extreme lubrication properties.
- Good fluidity that makes application suitable in rail lubrication systems.
- Wide operating temperature range: -20 up to +120°C.
- Easily biodegradable.

QUALITY LEVEL

- ISO-L-XBCIB 1

TECHNICAL CHARACTERISTICS

	Method	Typical values	Un.
Appearance		Black fluid grease	
Thickener		Special calcium soap	
Penetration at 25 °C	ASTM D-217	325	mm ⁻¹
Consistency NLGI	-	1	-
Dropping point	ASTM D 566	140	°C
Welding load, 4 ball test	ASTM D 2596	315	kg
Viscosity base oil at 40 °C	ASTM D 445	320	cSt
Pour point base oil	ASTM D 97	< -20	°C
EMCOR corrosion test	DIN 51802	0 (no corrosion)	-
Biodegradability	OECD-301-B	85	%
Additives	-	12% graphite 96/99	-

REV: 09/20

The information provided in this document is based upon our best knowledge at the date of revision indicate, and is subject to changes without prior notice. Such information does not release the user from testing the product in their own application. The data indicated represent average values and do not constitute product specifications. For more information please contact COGELSA Technical Support. COGELSA is not liable for damages caused by improper use of the product.