



Grease Bio MG/G

Biodegradable grease with graphite

Description

Biodegradable grease incorporating non-toxic solid lubricants, extreme pressure additives, and a blend of antioxidants and corrosion inhibitors, combined to provide highly effective lubrication with excellent corrosion protection especially in environmentally sensitive applications.

Applications

Grease Bio MG greases are specially developed for applications where the lubricant is an important contaminating factor to the environment and whenever it is possible that uncontrolled lubricant losses pass to the soil or to water. Suitable for general purpose greasing of all types of bearings as well as providing excellent de-watering performance on wet sliding surfaces, open gears, and heavy-duty bearings. Especially intended for railway lubrication, wheels flange and rail. Also suitable for use in:

- Metal to metal contact under high loads
- Forest machinery
- Public works machinery
- Nautical mechanisms
- Various mechanisms in water treatment plants
- Water pumping installations
- Mechanisms in contact with water
- Protection of car bodies

Grease Bio MG-00 G and MG-000 G are designed for the lubrication of wheel flanges.

- Grease BIO MG-000/G can be used for FLUILUB and Delimon wheel flange lubricating systems with pneumo injection.
- Grease BIO MG/G is approved for REBS Wheel Flange Lubrication systems

Benefits

- Dewaterers and can be applied to wet surfaces
- Very resistant to water wash off
- Extremely versatile product enables use in multiple applications
- Fortified with graphite
- Superior sealing capacity and very good resistance to water
- High adhesion to the to be lubricated parts
- Biodegradable and therefore low of no effect on water treatment units, contamination of soils in comparison to conventional non biodegradable greases
- Meets DIN 51502 MPFE 000 E-30
- MG 000/G meets quality level ISO-L XBCIB 00/000

All performance data on this Technical Data Sheet are indicative only and can vary during production

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Typical performance data

	Test method	MG 000/G	MG 00/G	MG 1/G
Thickener soap type	-	Inorganic	Lithium	Lithium
Colour	-	Black	Black	Black
Base oil type	-	Ester	Ester	Ester
Base oil viscosity @ 40 °C, cSt	DIN 51519	150	130	130
Density @ 25 °C, g/cm ³	-	0.980	1	0.980
NLGI consistency	DIN 51818	000	00	1
Dropping point, °C	-	NA	>170	>170
Copper corrosion, 24hr/100 °C	ASTM D4048	1a	1a	1b
Solids type	-	Graphite	Graphite	Graphite
Solids content, %	-	5	12	5
4-ball wear test				
• Welding load, kg	IP-239	>250	>320	>250
• Wear scar diameter 1'/80 kg, mm		<0.60	<0.65	<0.60
Biodegradability, %	CEC-L-33-A-93	>90	>90	>80
Operating temperature range, °C	-	-30-80	-20-80	-30 – 80

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