

GREASE BIO HT 2

Product code: 266200201

Synthetic biodegradable water resistant greases

This product is formulated to provide an excellent balance between environmental requirements and lubricating-anticorrosive capacity.

It possesses superior sealing capacity and very good resistance to water action, combined with good adhesion and affinity to metal surfaces. The product is based on a biodegradable ester and an essentially non-toxic additive package to eliminate the contaminating effect of the grease on the environment. The nature of the base oil with high viscosity and lubricating film will even outperform conventional greases, especially at elevated temperatures.

It can be used for a wide array of applications in an operating temperature range of -25 until 120 °C. It forms an adhesive film on surfaces that are operating also under moderate and heavy loads. The thickener system and special additives ensure excellent resistance to water, moist and ambient conditions.

Applications

- Forest machinery
- Public works machinery
- Nautical mechanisms
- Various mechanisms in water treatment plants
- Water pumping installations
- Specially formulated to lubricate bearings in Hydro turbines
- Mechanisms in contact with water
- Protection of car bodies

Typical Performance Data



Property	Test Method	Value
Colour		Brown
Thickener		Lithium
Base oil nature		Ester
Base oil viscosity @ 40 °C	ASTM D445	220
Worked penetration 60 W, x 0,1 mm	ASTM D217	265-295
Dropping point, °C	ASTM D566	180
NLGI consistency class	DIN 51 818	2
Copper corrosion, 24hr/100 °C	ASTM D4048	1b
Water washout, 40 °C, %	ASTM D1264	<2.5
4-balls wear test		
• Welding load, kg	ASTM D2266	280
• Wear scar diameter 1'/80 kg, mm	ASTM D2596	0.56
EMCOR corrosion test	DIN 51 802	0/0
Water spray off, %	ASTM D4049	16
Biodegradability test, %	CEC-L-33-A-94	>80
Operating temperatures, °C		-25 – 120

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