

GREASE ECO CAS EHG 1

Product code: 266201001

Biodegradable water-resistant grease

This product is a biodegradable, ester-based synthetic calcium sultanate grease, designed for the toughest offshore and onshore applications, especially in extreme environments like (salt) water where environmental exposure is likely. Formulated to endure the most severe operating conditions, including heavy loads and extended re-lubrication intervals, it surpasses mineral oil-based products in both service life and operating temperature range. Its unique composition, featuring a special soap structure and friction modifier technology, ensures exceptional performance in both wet, humid, and saline conditions, offering unmatched protection and lubrication at high temperatures outperforming other complex greases.

Application

This product is specially designed for lubricating bearings, pin and bush connections, chains and slides in offshore, dredging, forestry or earthmoving equipment, covering a wide temperature range in environmentally sensitive applications. Its exceptional resistance to both hot and cold (salt) water makes it perfectly suited for scenarios where water exposure is inevitable. Thanks to its high polarity and sealing capabilities, it effectively prevents the intrusion of sand and water, ensuring optimal performance and protection.

Benefits

- Biodegradable & non-toxic
- Provides exceptional lubrication up to +180°C for short periods
- Highly effective against rust and corrosion, particularly in applications involving both hot and cold (salt) water
- Excellent lubricity
- Excellent resistance to water wash out
- Excellent adhesive properties
- Wide operating temperature range

Performance level

- DIN 51502
- DIN 51825
- KPE1U-35
- ISO 6743/9
- L- XBFHB2
- Biodegradable OECD 301 B >70%
- Vessel General Permit (VGP)
- Swedish Standard 15 54 70

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Typical Performance Data

Property	Test Method	Value
Colour	Visual	Light brown
Thickener soap type		Calcium Sulphonate
Texture	ASTM D445	Smooth
NLGI class	ASTM D217	1
Penetration, 60 strokes at 25°C, 0.1 mm	ASTM D217	310-340
Dropping point, °C	ASTM D2265	335
4 ball weld load, kg	ASTM D2596	500
Water washout @ 80 °C, % loss	ASTM D1264	1.3
Rust preventive properties	ASTM D1743	Pass
Base oil Viscosity at 40 °C, cSt	ASTM D445	680
Temperature range, ° C		-35 to +180
Biodegradability,%	OECD 301B	>70

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