



Gulf Biocal 2

Biodegradable EP Grease

Product Description:

Gulf Biocal 2 is an anhydrous calcium thickened lubricating grease based on biodegradable synthetic esters and contains anti-oxidants, corrosion inhibitors and EP/AW additives. The thickener, together with the biodegradable esters, make **Gulf Biocal 2** suitable for the lubrication of heavily loaded bearings and in wet and corrosive environments.

Gulf Biocal 2 has excellent adhesion, water resistance, corrosion protection and is readily biodegradable.

Gulf Biocal 2 is a modern high performance biodegradable grease for marine applications and for forestry, agricultural and construction vehicles. **Gulf Biocal 2** is easily pumpable in most modern centralised lubrication systems despite its high base oil viscosity.

<u>Property:</u>	<u>Test Method:</u>	<u>Typical Values:</u>
Colour	Visual	Beige
NLGI Consistency (National Lubricating Grease Institute)	ASTM D217	2
Base Oil Viscosity @ 40°C	ISO 12058	800 mm ² /s
Base Oil Viscosity @ 100°C	ISO 12058	85 mm ² /s
Dropping Point	IP 396	>140°C
4-ball weld load	DIN 51350-4	2800 N
<u>Mechanical Stability:</u>		
Penetration 60 strokes	ISO 2137	265-295
Penetration 100.000 strokes	ISO 2137	+20
<u>Corrosion Protection:</u>		
SKF Emcor WWO distilled water	ISO 11007mod	0-0
SKF Emcor WWO salt water	ISO 11007mod	2-3
<u>Water Stability:</u>		
Water Resistance	DIN 51807-1	0-90
Water washout 1 hr @ 80°C	ISO 11009	<5%
<u>Anti-wear properties:</u>		
4-ball wear scar 1 hr @ 400 N	DIN 51350-5	0.7 mm
<u>Temperature Range:</u> Continuous operation: -20°C to +120°C. Short period: max: +130°C		
<u>Classification:</u> DIN 51502: KPE2K-20, ISO 6743: ISO-L-XBCIB2, SS 15 54 70: Environmental Class B		
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