PRODUCT DATA SHEET

GulfSea HYPERBAR LCM 2

Lithium Calcium EP Grease with MoS_2 for Heavy Duty Applications

Product Description

GulfSea HYPERBAR LCM 2 grease is heavy duty, high performance lithium/calcium soap based grease with MoS_2 for use in a wide range of marine, industrial and automotive applications. It is manufactured from high quality solvent refined base oils and performance additives to provide good structural stability, resistance to water washout and effective protection from wear and corrosion. It is specially designed to deliver outstanding performance in arduous automotive, marine and mining applications.

Features & Benefits

- Outstanding extreme pressure and anti-wear properties extend bearing life under heavy and shock-load conditions
- Excellent mechanical stability and resistance to softening ensures long lubricant life and prevents leak out of bearings even in the presence of water
- Very good corrosion protection and resistance to water washout resulting in improved component protection and equipment life
- Good adhesive property ensures that the grease stays in place for longer relubrication intervals.
- High drop point ensures extended operating range of up to 140ºC

Applications

- Heavy duty equipments used in marine, off-shore, cement, mining / quarrying, agriculture & forestry / logging and other industrial applications under severe conditions.
- Off-highway applications and other arduous automotive applications like “fifth wheel lubrication”
- General lubrication of machinery, antifriction bearings, sleeve & guide bearings, oscillating bearings.

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Typical Properties

Meets the following Specifications		
DIN 51825 KPF2N-20		
Typical Properties		
Test Parameters	**Test Method**	**Typical Values**
Colour	Visual	Grey
Texture	Visual	Smooth
Thickener type		Lithium / Calcium
NLGI grade		2
Type of base oil		Mineral
Estimated operating temperature range		-20°C to 120°C 140°C for short intervals
Base oil viscosity at 40°C; cSt	D 445	200
Consistency, worked penetration 60 strokes	D 217	285
Worked penetration after 100,000 strokes; change in consistency	D 217	+10
Dropping point; °C	D 2265	195
Oil separation at 25°C for 24 hrs; %wt.	D 1742	0.5
Oxidation resistance, pressure drop; psi	D 942	2.5
Water washout at 79°C; %wt. Loss	D 1264	3.9
Four ball weld load; kgf	D 2596	315
Leakage tendency at 105°C & 6 hrs; gm	D 1263	1.4
Copper strip corrosion at 100°C for 24 hrs; rating	D 4048	1a
Rust protection	D 1743	Pass

Mar 2026