



PRODUCT DATA SHEET

GulfSea HYPERBAR CS2

Calcium Sulfonate Complex EP Grease for Heavy Duty Applications

Product Description

GulfSea HYPERBAR CS2 grease is heavy duty multipurpose calcium sulfonate complex soap based grease 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 severe application areas like marine, mines, offshore and heavy duty off-highway equipment.

Features & Benefits

- Outstanding extreme pressure properties extend bearing life under 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.
- Excellent 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.
- Very high drop point ensures extended operating range of up to 180°C.

Applications

- Heavy duty equipments used in marine, off-shore, cement, mining / quarrying, agriculture & forestry/ logging, off highway and other industrial as well as automotive applications under severe conditions.
- General lubrication of axles, ball joints, universal joints, couplings, power take-offs kingpins, bushings and disc brakes.



Marine

PRODUCT DATA SHEET

Typical Properties

Meets the following Specifications		
DIN 51825 KP2R-20		
Typical Properties		
Test Parameters	Test Method	Typical Values
Colour	Visual	Light Brown
Texture	Visual	Smooth / Buttery
NLGI		2
Type of base oil		Mineral
Estimated operating temperature range		-20°C to 180°C
Base oil viscosity at 40°C; cSt	D 445	220
Consistency, worked penetration 60 strokes	D 217	280
Worked penetration after 100,000 strokes; change in consistency	D 217	+6
Dropping point; °C	D 2265	333
Oil separation at 25°C for 24 hrs; %wt.	D 1742	0.3
Oxidation resistance, pressure drop; psi	D 942	1.7
Water washout at 79°C; %wt. loss	D 1264	2.4
Four ball weld load; kgf.	D 2596	500
Four ball wear scar diameter; mm	D 2266	0.5
Timken load; lbs	D 2509	65
Copper strip corrosion at 100°C for 24 hrs; rating	D 4048	1b
Rust protection	D 1743	Pass

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