



## Gulf Crown CSC 2

### Calcium Sulfonate Complex EP Grease for Heavy Duty Applications

#### Product Description

**Gulf Crown CSC 2** 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 re-lubrication intervals.
- Very high drop point ensures extended operating range of up to 180°C.
- Good low temperature fluidity/ pumpability even in cold weather making it ideal for use in centralised lubrication systems on vehicles as well as industrial applications

#### 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, king pins, bushings and disc brakes

#### Specifications, Approvals & Typical Properties

Meets the following Specifications		
ASTM D4950 GC-LB, ISO 6743-9 L-XBFIB2, DIN 51502 KP2R-25		
Typical Properties		
Test Parameters	Test Method	Typical Values
Colour	Visual	Yellow ochre
Texture	Visual	Smooth/ buttery
NLGI		2
Type of base oil		Mineral
Estimated Operating Temperature Range		-25°C to 180°C
Base oil viscosity at 40°C, cSt	D 445	180
Consistency, worked penetration 60 strokes	D 217	280
Worked penetration after 100,000 strokes, change in consistency	D 217	3
Dropping Point, °C	D 2265	305
Oil Separation at 25°C for 24 hrs , % wt	D 1742	1
Oxidation Resistance, Pressure drop, psi	D 942	5
Water Washout @ 79°C, % wt loss	D 1264	2.0
Four Ball weld Load in kgs.	D 2596	500
Timken Load, lbs	D 2509	65
SKF - EMCOR steel corrosion, rating	D 6138	0-0
Copper strip corrosion at 100° c for 24 hrs, rating	D 4048	1a
Rust Protection	D 1743	Pass

May 2009

Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available from your nearest Gulf Distributor.

Gulf Oil International

The information contained herein is believed to be correct at time of publication. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of the products. Gulf Oil International reserves the right to modify and change its products and specifications without prior notice.

[www.gulfoilltd.com](http://www.gulfoilltd.com)