

# Guardex CSC 460

*Premium grade heavy duty Grease*



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Heavy Duty-Water resistant-High temperature calcium sulfonate complex grease.

## PRODUCT SPECIFICATION

**Meets the requirements of**

- DIN 51 502: KP1/2R-25
- ISO 6743-9: L-XBFIB 1/2

## APPLICATIONS

- **Guardex CSC 460** is high performance, heavy duty lubricating grease. It is based on calcium sulfonate complex thickener system and base oil of high viscosity. A unique structure of calcium sulfonate complex thickener provides very high dropping points, extraordinary extreme pressure and anti-wear performances, excellent mechanical stability, good rust protection and superior water wash-out resistance.
- **Guardex CSC 460** is suitable for the lubrication of **bearings in steel plants** (continuous castings and rolling mills) and in **paper industry**. **Guardex CSC 460** also recommended for heavy-duty equipment used in mining, quarrying, agriculture, forestry/logging, cement, wooden pellet presses, and other industrial as well as automotive applications.

## ADVANTAGES

- Excellent Rust and Corrosion Protection.
- Superior Resistance against wash-out, even in the presence of heavy water contamination.
- Extremely High Load Carrying Capacity & Superior Anti-Wear performance, protecting equipment exposed to heavy loads.
- Superior Mechanical Stability prevent from leakage
- Calcium sulfonate complex soap allows to keep outstanding performances even in case of high-speed applications where normally polyurea or lithium complex greases are requested
- For operating temperatures up to 180 degrees Celsius.
- It does not contain lead, or other heavy metals considered harmful to human health and the environment.



Test Parameter	Test Method	Value
Appearance	Visual	Smooth
Thickener		Calcium Sulfonate Complex
Color	Visual	Brown
Base Oil Viscosity at 40°C, mm <sup>2</sup> /s	ASTM D 445	460
NLGI Grade	ASTM D 217	2
Penetration (1/10 mm) @25 Celsius	After 60 strokes	275
Penetration (1/10 mm) @25 Celsius	After 100000 strokes	295
Operating Temperature Range		220 Celsius
Dropping Point	ASTM D 2265	320 Celsius
Four ball weld load in, kg	ASTM D 2596	315
Four ball scar diameter, mm	ASTM D 4172	0.40
Heat Stability @100 Celsius for 30 Hrs. loss of weight	ASTM D 6184	Nil
Copper Corrosion Test	ASTM D 4048	1b
Water Washout, loss at 79 Celsius	ASTM D 1264	< 1.2%