



## WAXOL CSX-460

### PRODUCT DESCRIPTION:

WAXOL CSX-460 is a high-performance, heavy-duty lubricating grease based on calcium sulfonate complex thickener system and high-quality heavy mineral base oil. A unique structure of calcium sulfonate complex thickener provides high dropping point, extraordinary extreme-pressure and anti-wear performances, excellent rust protection, superior mechanical stability and superior resistance against water washout.

### APPLICATIONS

WAXOL CSX-460 grease is used in industrial equipment operating under unfavorable conditions involving water contamination, high loads and/or high temperatures, plain and rolling element bearings operating in corrosive environmental conditions, rolling mills, hot roll cables, continuous casters, ingot buggies and slab mills, steel mill roller bearings, conveyors and gears, marine and heavy mobile equipment exposed to salt water, paper machine wet- and dry-end bearings and hot calendar stacks, automotive wheel bearings and chassis parts.

### PRODUCT ADVANTAGES

- The operating temperature range is from -25 to 180°C
- High-load carrying capacity
- Good water resistance properties
- Good oxidation and thermal stability
- Good mechanical stability
- Good rust and corrosion protection
- Excellent EP and anti-wear properties

### TYPICAL PROPERTIES:

PARAMETERS	TEST METHODS	TYPICAL VALUE		
NLGI Grade	-	1	1.5	2
Thickener Type	-	Calcium Sulfonate Complex		
Appearance	Visual	Smooth & Homogeneous		
Color	Visual	Brown		
Work Penetration @25°C	ASTM D217	310-340	305	265-295
Copper Strip Corrosion For 24hrs @100 °C	ASTM D4048	1b		
Dropping Point °C, Min	ASTM D2265	260	260	260
Water Washout Resistance %Wt. @79°C	ASTM D1264	1	1	0.5
Four Ball Weld Load, Kg, Min	ASTM D2596	500		
Four Ball, Wear Scar, dia, mm	ASTM D2266	max 0.6		
Operating Temperature Range °C	INTERNAL	-25 to 180		
Base Oil Viscosity @40°C (Cst)	ASTM D445	460	460	460

### DISCLAIMER:

The test data mentioned above is not a definitive specification but serves as an indication and may fluctuate within acceptable production tolerances. Venom retains the right to alter this test data. Any updated information will replace previous versions, so please consult the latest Technical Data Sheet (TDS).

### HEALTH & SAFETY, ENVIRONMENT:

Extended and repeated exposure to oil can lead to skin conditions. Please avoid contact. If you do come into contact with oil, wash the affected area immediately with soap and water. Do not dispose of used oil down drains or into the environment; instead, take it to an authorized used oil collection point.

### HEALTH & SAFETY:

This product is unlikely to pose significant health or safety risks when used properly in the recommended application and with good personal hygiene practices. For more information, please refer to the Safety Data Sheet (SDS), which is available upon request from your local sales office.

### PROTECT THE ENVIRONMENT:

Please take used oil to an authorized collection point and adhere to local regulations. Do not discharge it into drains, soil, or water.

### STORAGE:

We recommend storing all packages in a covered area. If outdoor storage is necessary, drums should be positioned horizontally to prevent water ingress and protect the markings. Products should never be stored above 60°C or exposed to direct sunlight or freezing temperatures.