



GRIPTO-TECH CSX-460

PRODUCT DESCRIPTION:

GRIPTO-TECH CSX-460 is a premium, heavy-duty lubricating grease formulated with a calcium sulfonate complex thickener system and high-quality heavy mineral base oil. The unique structure of the calcium sulfonate complex thickener delivers a high dropping point, exceptional extreme-pressure and anti-wear performance, outstanding rust protection, superior mechanical stability, and excellent resistance to water washout. This grease is designed for demanding industrial and heavy-duty applications, ensuring reliable performance in challenging environments.

APPLICATIONS

GRIPTO-TECH 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			
		0	1	1.5	2
NLGI Grade	-	0	1	1.5	2
Thickener Type	-	Calcium Sulfonate Complex			
Appearance	Visual	Smooth & Homogeneous			
Color	Visual	Brown			
Work Penetration @25°C	ASTM D217	355-385	310-340	305	265-295
Copper Strip Corrosion For 24hrs @100 °C	ASTM D4048	1b			
Dropping Point °C, Min	ASTM D2265	240	260	260	260
Water Washout Resistance %Wt. @79°C	ASTM D1264	1	1	1	0.5
Four Ball Weld Load, Kgf, 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	460

DISCLAIMER: The test data presented above is indicative and not a strict specification, as it may vary within acceptable production tolerances. Internal reserves the right to update or modify this test data. For the most accurate and current information, please refer to the latest version of this Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Continuous or repeated exposure to oil may lead to skin problems. Avoid contact with the oil. In case of contact, wash thoroughly with soap and water. Do not dispose of used oil in drains or the environment. Dispose of it at an authorized used oil collection point. For additional safety information, please refer to the MSDS available on our website at www.internal.net.

PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.