



ATRIX CSX-460

PRODUCT DESCRIPTION:

ATRIX CSX-460 is a high-performance, heavy-duty lubricating grease formulated with a calcium sulfonate complex thickener system and premium heavy mineral base oil. The unique structure of the calcium sulfonate complex thickener provides an elevated dropping point, exceptional extreme-pressure and anti-wear properties, superior rust protection, and excellent mechanical stability. Additionally, ATRIX CSX-460 offers superior resistance to water washout, ensuring reliable performance in demanding conditions.

APPLICATIONS

ATRIX 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	-	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 for reference only and not a specification. It may vary within acceptable production tolerances. Alpha reserves the right to update this data, with the latest version of the Technical Data Sheet (TDS) taking precedence over previous versions.

HEALTH & SAFETY, ENVIRONMENT:

Extended and repeated exposure to oil may lead to skin issues. Avoid contact. If contact occurs, wash immediately with soap and water. Do not dispose of used oil in drains or the environment. Instead, take it to an authorized oil collection facility. For more safety information, please refer to the MSDS available on our website: www.alphaoil.ae

HEALTH & SAFETY:

When used correctly in the recommended application and with proper personal hygiene, this product is unlikely to pose significant health or safety risks. For detailed safety information, refer to the Safety Data Sheet (SDS), available upon request from your local sales office or online. www.alphaoil.ae

PROTECT THE ENVIRONMENT:

Dispose of used oil at an authorized collection point. Follow local regulations and avoid releasing it into drains, soil, or water.

STORAGE:

We recommend storing all packages under cover. If outdoor storage is necessary, drums should be placed horizontally to prevent water ingress and protect drum markings. Products should not be stored above 60°C or exposed to direct sunlight or freezing conditions.