



ELPRIMO CSX-460

PRODUCT DESCRIPTION:

ELPRIMO CSX-460 is a heavy-duty lubricating grease that offers high performance. It is formulated with a calcium sulfonate complex thickener system and high-quality heavy mineral base oil. The unique structure of the calcium sulfonate complex thickener provides several benefits, including a high dropping point, exceptional extreme-pressure and anti-wear properties, excellent rust protection, superior mechanical stability, and resistance against water washout. This makes ELPRIMO CSX-460 an ideal choice for applications that require reliable lubrication and protection in challenging environments.

APPLICATIONS

ELPRIMO CSX-460 grease is specifically designed to be used in a wide range of industrial equipment operating under challenging conditions. It is suitable for applications involving water contamination, high loads, high temperatures, and corrosive environmental conditions. It can be used in various equipment such as rolling mills, hot roll cables, continuous casters, ingot buggies, slab mills, steel mill roller bearings, conveyors, gears, marine and heavy mobile equipment exposed to salt water, paper machine wet- and dry-end bearings, hot calendar stacks, as well as automotive wheel bearings and chassis parts. Its high-performance formula ensures reliable lubrication and protection in demanding environments.

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	-				
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, 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	460

DISCLAIMER:

The test data provided is not a final specification; rather, it serves as a guideline and may vary within acceptable production tolerances. Bravoil reserves the right to modify this test data. Any updates will supersede previous versions, so please refer to the most recent Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website www.bravoil.ae

HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet www.bravoil.ae

PROTECT THE ENVIRONMENT:

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

STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.