

## LUBRAL CSX 2000

### CALCIUM SULPHONATE

#### DESCRIPTION

CSX 2000 grease is a grease with an exclusive formulation based on calcium sulphonate and a package of additives that provide extreme pressure properties for use in heavy duty service and exhibits excellent performance in corrosive saline water environments. Also, it has good water repellency, corrosion resistance and a wide operating temperature range.

#### BENEFITS

- High dropping point.
- Adhesive and Cohesive.
- Workloads capacity.

#### APPLICATIONS

It is recommended for use in the automotive industry, as well as severe-duty machinery used in construction, mining, agriculture, or in any operation where a shear-stable grease, high workloads, and corrosion resistance are required.

Besides it is also applicable in chassis parts and wheel bearings in heavy and fleet equipment, marine equipment, heavy mobile equipment, paper machine bearings, rolling mills, hot roller tables, continuous wheels, ingot cars and plate mills., steel roller bearings, conveyors and gears, industrial and automotive equipment operating at high temperatures and exposed to water contamination, high humidity or corrosive environmental conditions.

It meets the automotive and industrial specifications required by the ASTM D4950 standard, established in the GC-LB classification endorsed by the National Lubricating Grease Institute.

#### CHARACTERISTICS

TESTS	TEST METHOD	TYPICAL VALUE
NLGI Grade	ASTM D217	2
Thickener	-	Calcium Sulphonate
Color	Visual	Light brown
Texture	Visual	Soft
Base oil viscosity @ 40°C, cSt	ASTM D445	460
Worked penetration @ 60 strokes, 1/10 mm	ASTM D217	280
Dropping Point, °C	ASTM D2265	320
Water washout @ 80°C, % weight loss	ASTM D1264	1.0
Leakage tendencies, % weight loss	ASTM D1263	2
4 balls (weld point), Kg	ASTM D2596	400
Timken Load OK, lbs.	ASTM D2509	60
Operating Temperature, °C	-	-12 to 270

Typical Characteristics are those obtained with normal tolerance of production and no constitute a specification. Variations, that do not affect the yield product during the normal manufacturing and on different mixing locations are expected.

Information contained in this document is held to changes without previous advisement. The availability of the products could vary depending on the location. For further information, contact [venta@lubral.com](mailto:venta@lubral.com)