



# CERAN XM 460 Moly

## DESCRIPTION

**Extreme-pressure calcium sulfonate complex grease containing 3% of MoS<sub>2</sub>.**

## APPLICATIONS

**CERAN XM 460 Moly** is made of the *NEW GENERATION* Calcium Sulfonate Complex soap designed by TotalEnergies Lubrifiants. This new soap has enhanced properties in terms of water and thermal resistance, anticorrosion properties while keeping a very high level of pumpability and ability to lubricate well in case of high loads. It had been formulated with 3% of MoS<sub>2</sub> for applications with very high loads.

**CERAN XM 460 Moly** is suitable for the lubrication of all kinds of components subject to high loads, shocks, working in conditions where the grease is in frequent contact with water (even sea water due to enhanced antirust performances).

**CERAN XM 460 Moly** is also suitable for the lubrication in all industrial applications under severe conditions (wet, high loaded, high temperature, dust, etc.) namely in mining, cement industries, steel and paper industry.

**CERAN XM 460 Moly** is suitable for use in centralized greasing systems.

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or down loaded at [ms-sds.totalenergies.com](http://ms-sds.totalenergies.com)

## SPECIFICATIONS

ISO 6743-9: L-XBFIB 1/2

DIN 51 502: KP1/2R -25

## ADVANTAGES

**CERAN XM 460 Moly** keeps all benefits in terms of corrosion protection, bearings lifetime, high load handling and thermal resistance.

Excellent anti-oxidation and anti-corrosion properties thanks to the superior behavior of the Calcium Sulfonates, even in the presence of sea water.

## RECOMMENDATIONS

Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use a pneumatic pump system or cartridges.

## TYPICAL CHARACTERISTICS

TYPICAL CHARACTERISTICS	METHODS	UNITS	CERAN XM 460 Moly
Soap/thickener		-	Calcium sulfonate Complex
NLGI grade	ASTM D 217/DIN 51 818	-	1 - 2
Color	Visual	-	Black
Appearance	Visual	-	smooth and bright
MoS <sub>2</sub> content		%	3
Operating temperature range		°C	- 25 to 180
Penetration at 25°C	ASTM D 217/DIN51 818	0.1 mm	280 - 310
Four ball weld load	ASTM D 2596	kgf	800
Anti-rust performance SKF- EMCOR	ISO 11007	Rating	0 – 0
Flow pressure at 1400 mbar	DIN 51805	°C	-25
Dropping point	IP 396	°C	> 300
Kinematic viscosity of the base oil at 40°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	460

Above characteristics are mean values given as an information.

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