



CERAN XS 40 Moly

DESCRIPTION

Sub-arctic synthetic calcium sulfonate complex grease for mining applications.

APPLICATIONS

CERAN XS 40 Moly is a synthetic, heavy duty, extreme pressure grease containing 5% of MoS₂.

CERAN XS 40 Moly is specially designed for mining applications in arctic and sub-arctic extreme weather environments.

CERAN XS 40 Moly is recommended for the lubrication of all load and speed applications in extremely cold conditions. It will still withstand summer or otherwise hot temperatures.

SPECIFICATIONS

ISO 6743-9: L-XEFFB 1/2

DIN 51 502: KP1/2R-55

ADVANTAGES

Thanks to its special formula and the use of synthetic base oil, **CERAN XS 40 Moly** has an excellent pumpability at very low as well as ambient temperatures.

Excellent thermal stability. It regains its original texture after cooling to ambient temperature.

Remarkable load resistance thanks to its naturally high extreme pressure and anti-wear properties and the presence of MoS₂

Extraordinary water resistance, no significant loss of consistency is observed even with high amounts of water entering the grease.

Excellent anti-oxidation and anti-corrosion properties thanks to the very nature of the calcium sulfonates, also in the presence of sea water.

CERAN XS 40 Moly does not contain lead, or other heavy metals considered harmful to human health and the environment.

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

RECOMMENDATIONS

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

TYPICAL CHARACTERISTICS

| PROPERTIES | METHODS | UNITS | CERAN XS 40 Moly |
|---|-----------------------|--------------------------|---------------------------|
| Soap / Thickener | | - | Calcium Sulfonate Complex |
| NLGI grade | ASTM D 217/DIN 51 818 | - | 1-2 |
| Color | Visual | - | Grey |
| Appearance | Visual | - | Smooth |
| Operating temperature range | | % | -55 to 180 |
| Penetration at 25°C | ASTM D 217/DIN 51 818 | 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 1400 mbar | DIN 51805 | °C | <-55 |
| Torque at -50°C | | mN.m | 271 |
| - At start | ASTM D1478 | mN.m | 50 |
| - After 1h running | | | |
| Dropping point | IP 396 | °C | >300 |
| Kinematic viscosity of the base oil at 40°C | ASTM D 445 | mm ² /s (cSt) | 40 |

Above characteristics are mean values given as an information.

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