

NS CALSU 2X

NLGI 2 - Calcium Sulphonate Complex Grease - ISO VG 460 Base Oil
SKU: xxxxxx

PRODUCT OVERVIEW

NS Calsu 2X is an NLGI 2 grease thickened with a calcium sulphonate complex soap on a mineral base oil of ISO VG 460. Its load-carrying capacity is built into the soap structure itself rather than supplied by sulphur-phosphorus additives, so the film holds under extreme pressure and shock without the additive depletion that limits conventional EP greases. The same carbonate structure repels water and inhibits rust, allowing the grease to keep its consistency and protect bearing surfaces in continuously wet, salt-laden and corrosive duty, at temperatures where a lithium soap has already softened.

APPLICATIONS

Recommended for heavily loaded bearings working wet and hot: continuous casting and steelworks plant, paper machine press and dryer sections, cement and mineral processing, overhead and harbour cranes, conveyors and vibrating screens, and marine deck machinery, winches and offshore equipment exposed to sea water. Suitable for grease guns, centralised systems and single-point automatic lubricators. Compatible with lithium and lithium complex soap greases and with the seal materials in general industrial use.

SPECIFICATIONS Meets or exceeds: **DIN 51825 KP2P-20 | ISO 6743-9 L-XBEIB 2**

CHARACTERISTICS*

PROPERTY	TEST METHOD	VALUE
NLGI Consistency Grade	ASTM D217	2
Thickener Type	—	Calcium sulphonate complex
Base Oil Type	—	Mineral
Base Oil Viscosity @ 40°C, cSt	ASTM D445	460
Worked Penetration @ 25°C, 0.1 mm	ASTM D217	265 - 295
Dropping Point, °C	ASTM D2265	≥280
Operating Temperature Range, °C	—	-20 to +160 (+180 peaks)

*The specifications above are for illustrative purposes and communicated for information only.

PROPERTIES & BENEFITS

Inherent Load Capacity

Load-carrying performance comes from the soap structure rather than from EP additives, so it does not deplete across the relubrication interval.

Water and Salt Resistance

Repels fresh and sea water, holding consistency and protecting bearing surfaces against rust in continuously wet service.

High Temperature Capability

Continuous service to 160°C with short peaks to 180°C, well beyond the reach of conventional lithium soap greases.

Mechanical Stability

Resists softening under heavy working and vibration, with low oil bleed in automatic lubricators and reliable pumpability in centralised lines.