

FOODMAX GREASE CAS S 1.5 LS

Product code: 263701101

Food grade high performance grease with high resistance to heavy loads and low speeds based on a PAO.

Foodmax Grease CAS S 1.5 LS is a member of a family of technologically advanced greases which have been developed by complexing modified overbased calcium sulfonates. This technology is characterized by exceptional mechanical stability, high dropping point, high load carrying performance, reduced wear and excellent resistance to water and steam and corrosion. This technology equals and in many ways outperforms other premium, high temperature greases such as lithium complex, aluminium complex and polyurea.

This product is a high viscosity synthetic H-1 approved grease for incidental food contact. It is designed to provide superior performance at elevated temperatures and during periods of infrequent lubrication in food processing applications. It is best suited for low to medium speed bearings operating under adverse conditions including the combined action of (salt) water, steam, temperature and other foreign material such as process fluids which are seen in sugar beet processing. Another application with stringent and increasing demands to the lubricant are pellet presses. This product has a proven track record enhancing bearing lifetime and reducing wear and downtime.

Benefits & Advantages

- Superior mechanical stability versus other thickeners, particularly in the presence of heat and water
- Resistant against cold & hot water and alkali-based cleaners
- Adheres to metal surfaces
- High dropping point, typically more than 300 °C
- Excellent EP and AW properties inherent in the thickener
- Does not require the use of additional additives
- Excellent mobility and torque at temperatures down to -40 °C
- Contains no colorant (Titanium Dioxide TiO₂)
- Formulated for enhanced resistance to hot, cold, and saltwater
- Sulfonates are known and used for their excellent rust prevention properties
- The use of premium antioxidant and a high viscosity PAO ensures excellent thermal and oxidation stability. Life performance is typically increased by up to four times that of a regular mineral oil-based grease
- Bearing life performance in excess of 200 hours
- Suitable for centralized lubrication systems

Performance Level

DIN 51502
DIN 51825 KP1/2U-40
ISO 6743-9 L-XBFHB1/2

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Typical Performance Data



Typical	Test Method	Value
Appearance	Visual	Smooth
Colour	Visual	Tan
Base oil viscosity @ 40 °C, cSt	-	400
Base oil viscosity @ 100 °C, cSt	-	37.5
NLGI consistency	ASTM D-217	1.5
Consistency, 60 strokes, mm/10	ASTM D-217	280-320
Dropping point, °C	ASTM D-2265	330
4-ball wear test <ul style="list-style-type: none"> • Weld load, kg • Wear scar, mm 	ASTM D-2596	>490 0.56
Rust test	ASTM D-1743	Pass
Salt fog corrosion, 1 mil d.f.t., hours	ASTM B-117	>300
Copper corrosion, rating	ASTM D-4048	1b
EMKOR	DIN 51 802	0-0
Water resistance @ 90 °C, 3h % lost	ASTM D1264	<1
Water wash out	ASTM D1264	0.8
Oil separation, % loss @ high temperature (30h @ 100°C)	ASTM 51817	0.5
Oil separation (mm)	ASTM D-1742	<0.1
Operating service temperatures, °C	-	-40 - 240
Peak temperature, °C	-	260
FAG FE-8 bearing wear test, roller wear (mg)	DIN 51819-3	< 15
NSF registration	-	165011
Kosher approved	-	Pending
Halal approved	-	Pending

All performance data on this Technical Data Sheet are indicative only and can vary during production.