

FOODMAX GREASE CAS S 2 HS

Product code: 263701201

Food grade high performance grease with high resistance to high temperatures and speeds based on a PAO

Foodmax Grease CAS S 2 HS is member of a family of technologically advanced greases which have been developed by complexing modified overbased calcium sulphonates. 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 low viscosity synthetic H-1 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 to high-speed bearings, seal-for-life bearings and in most extended life operations such as centrifuges and electrical motor bearings.

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 salt water
- Sulphonates 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
- Suitable for centralized lubrication systems

Performance Level

DIN 51502
DIN 51825 KPHC2U-40
ISO 6743-9 L-XBFHB2

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Typical Performance Data



Typical	Test Method	Value
NLGI consistency	ASTM D217	2
Colour	Visual	Tan
Base oil viscosity @ 40 °C, cSt		100
Base oil viscosity @ 100 °C, cSt		13.4
Texture	Visual	Smooth
Dropping point, °C	ASTM D2265	318
Consistency, 60 strokes, mm/10	ASTM D217	280
Mechanical stability, 10.000 strokes %	ASTM D217	4.8
Roll stability, 50% water, % change in pen.	ASTM D1831	2.5
Timken OK load, kg	ASTM D2509	27.2
4-ball wear test <ul style="list-style-type: none"> LWI, kg Weld load, kg Wear scar, mm 	ASTM D2596	55 400 0.40
Rust test, rating	ASTM D1743	Pass
Salt fog corrosion, 1 mil d.f.t., hours	ASTM B117	>300
Copper corrosion	ASTM D4048	1b
Wheel bearing leakage, grams	ASTM D4290	3.8
Bearing life performance, hours	ASTM D3527	240
Bomb oxidation, psi drop after 1000 hours	ASTM D3527	6.0
Water washout @ 80 °C, %	ASTM D1264	0.5
Oil separation, % loss	ASTM D1742	0
Low temperature torque, 10000 g-cm @ start <ul style="list-style-type: none"> @ -40 °C @ -18 °C 	ASTM D1478	7500 600
Low temperature torque, 10000 g-cm @ 60 min <ul style="list-style-type: none"> @ -40 °C @ -18 °C 	ASTM D1478	800 125
Speed Factor*	-	400.000
Working service temperatures, °C	-	-40 - 225
Peak temperature, °C	-	260
NSF registration	-	141131
Halal approval	-	Yes
Kosher approval	-	Yes

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