

TECHNICAL DATA SHEET

AIMOL Foodline Grease CAS S 1 SLS, 2 SLS

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

DESCRIPTION

AIMOL Foodline Grease CAS S 1 SLS is a 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 corrosion. This technology equals and in many ways outperforms other premium, high temperature greases such as Lithium complex, aluminium complex and Polyurea.

APPLICATIONS

AIMOL Foodline Grease CAS S 1 SLS is a high viscosity synthetic H1 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.

BENEFITS

- ◆ Superior mechanical stability versus other thickeners, particularly in the presence of heat and water
- ◆ High dropping point, typically in excess of 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
- ◆ Formulated for enhanced resistance to 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
- ◆ Bearing life performance in excess of 200 hours

TYPICAL FIGURES

	Test method	S 1 SLS	S 2 SLS
NLGI Grade	ASTM D217	1	2
Colour	Visual	Tan	Tan
Texture	Visual	Smooth	Smooth
Dropping point, °C	ASTM D2265	318	318
Consistency, 60 strokes, mm/10	ASTM D217	325	280
Mechanical stability, 10.000 strokes % change	ASTM D217	4.0	4.5
Roll stability, 50% water, % change in pen.	ASTM D1831	2.5	2.5
Timken OK load, kg	ASTM D2509	27.2	27.2
4-ball wear test	ASTM D2596		
• LWI, kg		55	55
• Weld load, kg		400	400
• Wear scar, mm		0.50	0.50
Rust test, rating	ASTM D1743	Pass	Pass
Salt fog corrosion, 1 mil d.f.t., hours	ASTM B117	>300	>300
Copper corrosion, rating	ASTM D4048	1b	1B
Wheel bearing leakage, grams	ASTM D4290	3.5	3.5
Bearing life performance, hours	ASTM D3527	220	260
Bomb oxidation, psi drop after 1000 hours	ASTM D3527	5.0	5.0
Water washout at 80 °C, % lost	ASTM D1264	3.5	3.5

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Oil separation, % loss	ASTM D1742	0.1	0.1
Low temperature torque, 10000 g-cm @ start, 60 minutes	ASTM D1478		
<ul style="list-style-type: none"> @ -40 °C @ -29 °C @ -18 °C 		2200 2500, 550 900, 250	6000, 800
Base oil viscosity @ 40 °C, cSt		400	400
Base oil viscosity @ 100 °C, cSt		37.5	37.5

TECHNICAL DATA INFO LINE

Should you require additional information or advice on AIMOL products, please contact us as per the details below.

HEALTH AND SAFETY

AIMOL Foodline Grease CAS S 1 SLS has no adverse health effects provided it is used as directed.

DISCLAIMER

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