

TECHNICAL DATA SHEET

AIMOL Foodline Grease CAS S 2 SHS

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

DESCRIPTION

AIMOL Foodline Grease CAS S 2 SHS 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 corrosion. This technology equals and in many ways outperforms other premium, high temperature greases such as Lithium Complex and Aluminum Complex.

APPROVALS & CERTIFICATIONS

AIMOL Foodline Grease CAS S 2 SHS is:

- NSF certified for H1 NSF № 146789
- Halal certified № NL105105XXXX Line 34
- Kosher certified.



APPLICATIONS

AIMOL Foodline Grease CAS S 2 SHS 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 to high speed bearings, sealed for life bearings and in most extended life operations.

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 resistance to water washout
- ◆ Formulated for enhanced resistance to water
- ◆ 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

TYPICAL FIGURES

	Test method	S 2 SHS
NLGI consistency	ASTM D217	2
Colour	Visual	Tan
Texture	Visual	Smooth
Dropping point, °C	ASTM D2265	318
Consistency, 60 strokes, mm/10	ASTM D217	280
Mechanical stability, 10.000 strokes % change	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	ASTM D2596	
• LWI, kg		55

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<ul style="list-style-type: none"> Weld load, kg Wear scar, mm 		400 0,40
Rust test, rating	ASTM D1743	Pass
Salt Fog corrosion, 1 mil d.f.t., hours	ASTM B117	>300
Copper corrosion, rating	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 at 80 °C, % lost	ASTM D1264	0.5
Oil separation, % loss	ASTM D1742	0
Low temperature torque, -18 °C, g-cm	ASTM D1478	600
<ul style="list-style-type: none"> Start 60 minutes 		125
Low temperature torque, -40 °C, g-cm	ASTM D4693	7500
<ul style="list-style-type: none"> Start 60 minutes 		800
Low temperature torque, -40 °C, N-m		3.5
Mobility @ -18 °C, g/minute	US Steel Method	18.6
Base oil viscosity @ 40 °C, cSt		100
Base oil viscosity @ 100 °C, cSt		13.4

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 2 SHS has no adverse health effects provided it is used as directed.

DISCLAIMER

Typical figures as indicated may vary per production cycle and can change at manufacturers' option. Specifications, however, are guaranteed. Because of continuous product research and development, the information within this data sheet is subject to change without any notification. Although every effort is made to ensure accurate information, A.I.M. bv accepts no liability for any loss or damage suffered caused by the incorrectness and/or incompleteness of this text, and as a result of using this product for any application other than explicitly stated in this data sheet.