



TECHNICAL DATA SHEET

AIMOL Foodline Gear

Food grade gear oil

DESCRIPTION

AIMOL Foodline Gear is a food grade range of lubricants for gears, bearings and transmissions. It is a range of lubricants in which a combination of the latest base stock technology together with special additives has resulted in a very high performance. All base material used for the formulation is non-toxic and food grade. AIMOL Foodline Gear satisfies InS and NSF H1 requirements for incidental food contact.

APPLICATIONS

AIMOL Foodline Gear thanks to its great performance characteristics and carefully chosen additives can be used in most applications in the manufacturing process in the food and pharmaceutical industry. This oils are developed for the lubrication of gears and gearboxes, conical and helical gears, bearing, chains, screws, joints and in general any application requiring a viscosity from ISO VG 68 up to 460.

TYPICAL FIGURES

Parameter	68	100	150	220	320	460
Colour	Colourless					
Density @ 20 °C, gr/ml	0,862	0,868	0,868	0,871	0,875	0,876
Viscosity @ 40 °C, cSt	66	98	148	226	328	450
Viscosity @ 100 °C, cSt	9,8	12,7	16,5	21,1	28,0	37,6
Viscosity index	130	116	113	116	118	121
Pour point, °C	-12	-12	-12	-12	-12	-18
Flash point, °C	206	220	253	254	256	230
Demulsibility index, 30 min.	40/40/0	40/40/0	40/40/0	40/40/0	40/40/0	40/37/3
Demulsibility separation time @ 82 °C, min	5	5	5	5	5	5
Copper corrosion, 3h/100 °C	1a	1a	1a	1a	1a	1a
Oxidation life (TOST)	>4500	>4500	>4500	>4500	>4500	>4500
Steel corrosion (distilled water)	Pass	Pass	Pass	Pass	Pass	Pass
4-ball wear test						
• Welding load, kg	160	160	160	160	160	160
• Wear scar dia, 20 kg, 54 °C, 1800 rpm, 1 hr	0,25	0,25	0,25	0,25	0,25	0,25
FZG value	12	12	12	12	12	12
InS H-1 requirements	Yes	Yes	Yes	Yes	Yes	Yes
NSF H-1 requirements	Yes	Yes	Yes	Yes	Yes	Yes
Kosher requirements	Yes	Yes	Yes	Yes	Yes	Yes

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

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.