

FOOD-PLUS GREASE CALSUL O H

FOODGRADE GREASES

323700901



FOOD GRADE HIGH PERFORMANCE GREASE WITH HIGH RESISTANCE TO HIGH TEMPERATURES AND SPEEDS BASED ON A PAO

This product belongs to a family of high-tech greases that have been created by utilizing modified overbased calcium sulphonates. This innovative technology boasts outstanding mechanical stability, a high dropping point, exceptional load-carrying capabilities, reduced wear, excellent resistance to water and steam, and superior resistance to corrosion. When compared to other high-temperature greases, such as lithium complex, aluminum complex, and polyurea, this technology is on par or surpasses them in numerous ways. This H-1 grease is a synthetic lubricant with low viscosity that is safe for incidental food contact. Its formulation is optimized for superior performance in food processing applications, especially in high temperature environments and situations where lubrication is infrequent. It is most suitable for bearings that operate at low to medium to high speeds.

PROPERTY	METHOD	VALUE
NLGI consistency	ASTM D217	00
Colour	Visual	Tan
Base oil viscosity @ 40 °C, mm ² /s		100
Base oil viscosity @ 100 °C, mm ² /s		13.4
Texture	Visual	Smooth
Dropping point, °C	ASTM D2265	260
Consistency, 60 strokes, mm/10	ASTM D217	415
Mechanical stability, 10.000 strokes %	ASTM D217	7.5
Roll stability, 50% water, % change in pen.	ASTM D1831	2.5
Timken OK load, kg	ASTM D2509	20.4
4-ball wear test - LWI, kgf	ASTM D2596	44
4-ball wear test - Weld load, kg	ASTM D2596	400
4-ball wear test - Scar dia mm	ASTM D2596	0.45
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	
Bearing life performance, hours	ASTM D3527	
Bomb oxidation, psi drop after 1000 hours	ASTM D3527	5.0
Water washout @ 80 °C, %	ASTM D1264	
Oil separation, % loss	ASTM D1742	
Low temperature torque, 10000 g-cm @ start @ -40 °C	ASTM D1478	1000
Low temperature torque, 10000 g-cm @ start @ -18 °C	ASTM D1478	350
Speed Factor*		400.000
Working service temperatures, °C		-50 - 200
Peak temperature, °C		220
NSF registration		158110
Halal approved		Yes
Kosher approved		Yes

CATEGORY

- Greases

BENEFITS

- 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
- Solves leaking seal leaking issues in gearboxes replacing gear oils

All data on this technical data sheet is indicative only

202312V01



DYADE LUBRICANTS B.V.
TYPOGRAAF 16 | 6921 VB DUIVEN
THE NETHERLANDS

0031 (0) 316 745 745
INFO@DYADEGLOBAL.COM
WWW.DYADEGLOBAL.COM

DYADE MAINTAIN THE THINGS WE VALUE