FOOD-PLUS
GREASE CALSUL WM 2

FOODGRADE GREASES

323700801

FOOD GRADE HIGH PERFORMANCE GREASE WITH HIGH RESISTANCE TO HEAVY LOADS BASED ON A WHITE OIL

This product belongs to a group of highly advanced greases that are designed by combining modified overbased calcium sulphonates. This innovative technology boasts remarkable mechanical stability, a high dropping point, exceptional load-carrying capacity, minimized wear, and excellent resistance to water, steam, and corrosion. In terms of high-temperature greases, this technology is on par with, and in some ways even superior to, other top-notch options such as lithium complex, aluminum complex, and polyurea The given grease is authorized as an H-1 grade lubricant that is safe to be used in contact with food during incidental contact. It has been formulated to cater to various food processing operations such as mixing, stirring, baking, frying, cooking, cleansing, packaging, canning, and bottling

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, does not require the use of additional additives inherent in the thickener, contains no colorant (Titanium Dioxide TiO2), sulphonates are known and used for their excellent rust prevention properties, formulated for enhanced resistance to water, excellent corrosion resistance, formulated with a white oil, life performance is typically increased by two to three times that of a regular mineral oil-based grease, suitable for centralized lubrication systems.

PROPERTY	METHOD	VALUE
Texture	Visual	Smooth
Colour	Visual	Tan
Base oil viscosity @ 40 °C, mm²/s		100
Base oil viscosity @ 100 °C, mm²/s		10.8
NLGI consistency	ASTM D217	2
Dropping point, °C	ASTM D2265	320
Consistency, 60 strokes, mm/10	ASTM D217	280
Mechanical stability, 10.000 strokes %	ASTM D217	-1.0
Roll stability, 50% water, %	ASTM D1831	2.1
Timken OK load, kg	ASTM D2509	29.2
4-ball wear test - LWI, kgf	ASTM D2596	55
4-ball wear test - Weld load, kg	ASTM D2596	400
4-ball wear test - Scar dia mm	ASTM D2596	0.45
Rust Test	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	1.0
Bearing life performance, hours	ASTM D3527	180
Bomb oxidation, psi drop after 1000 hours	ASTM D3527	5.0
Water washout @ 80 °C, %	ASTM D1264	0.8
Oil separation, % loss	ASTM D1742	0.1
Low temperature torque, -18 °C, g-cm - start	ASTM D1478	1000
Low temperature torque, -18 °C, g-cm - 60 minutes	ASTM D1478	250
Mobility @ 150 psi, -18 °C, g/minute	US Steel method	8.0
Working service temperatures, °C		-25 - 220
NSF registration		141132
Kosher approved		Yes
Halal approved		Yes

All data on this technical data sheet is indicative only

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