



ISO-9001 Registered Quality System.
ISO-21469 Compliant.

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PRODUCT DATA

LUBRIPLATE CS-FG EP SERIES

CS-FG EP-2, CS-FG EP-1, CS-FG EP-0, CS-FG EP-00

"These products are certified OU Kosher Pareve"

*NSF International H-1 Registered
NSF ISO21469 Certification

DESCRIPTION

LUBRIPLATE CS-FG EP Series are calcium sulfonate thickened incidental food contact greases which offer premium performance properties. All ingredients used to manufacture these products comply with FDA 21 CFR 178.3570 and meet the requirements for NSF H1. These greases also have excellent corrosion protection, and superior water washout properties.

APPLICATIONS

- ⇒ Meat Processing Plants
- ⇒ Canneries
- ⇒ Dairies
- ⇒ Breweries
- ⇒ Carton & Packaging Equipment
- ⇒ Food Processing & Handling Equipment
- ⇒ Bottling Plants
- ⇒ Many others where incidental food contact is a possibility

ADVANTAGES

- ⇒ Base oil is 100% USP white oil, 100 cSt viscosity @ 40°C
- ⇒ Superior protection from rust and corrosion
- ⇒ Excellent resistance to water washout and spray off
- ⇒ Outstanding high-temperature properties

Typical Test Data – See Back

STORAGE RECOMMENDATIONS

Product should be stored in a dry covered area between 40°F to 120°F, away from direct sunlight.

Open containers, temperature, and moisture may alter normal shelf-life.

PACKAGING AVAILABLE

415 lb. Drum
120 lb. Drum
35 lb. Pail
Case 40/15.5 oz. Cartridges

CS-FG EP-2

L0138-040
L0138-039
L0138-035
L0138-098

CS-FG EP-1

L0155-040
L0155-039
L0155-035

*NSF International H-1 Registration No.
(Meets former USDA 1998 Guidelines)

151136

155256

PACKAGING AVAILABLE

415 lb. Drum
120 lb. Drum
35 lb. Pail

CS-FG EP-0

L0154-040
L0154-039
L0154-035

CS-FG EP-00

L0153-040
L0153-039
L0153-035

*NSF International H-1 Registration No.
(Meets former USDA 1998 Guidelines)

155255

155254

*Registered H-1 by NSF International for use in food processing facilities as a lubricant or anti-rust agent on equipment in which there may be incidental contact involving the lubricated part and the edible product.



PROPERTY	TEST METHOD	TYPICAL RESULTS*			
	ASTM	CS-FG EP-2	CS-FG EP-1	CS-FG EP-0	CS-FG EP-00
NLGI Grade		2	1	0	00
Color	Visual	Beige	Beige	Beige	Beige
Texture	Visual	Smooth	Smooth	Smooth	Smooth
Dropping Point, °C	D-2265	316°C +	316°C +	217°C	-
Worked Penetration, 60 Double Strokes, dmm	D-217	265 – 295	310-340	355-385	400-430
Mechanical Stability:					
Worked Penetration, 10,000 Double Strokes: % Change	D-217	< 3.0	< 3.0	< 3.8	< 8
Roll Stability: % Change	D-1831	< 3.0	< 3.5	-	-
Timken OK Load, kg	D-2509	60 lbs.	50 lbs.	-	-
4-Ball EP: LWI, kgf	D-2596	50	45	45	45
Weld Point, kg	D-2596	400	400	400	300
4-Ball Wear, mm	D-2266	0.50	0.52	0.57	0.57
Fretting Wear, mg	D-4170	8.7 mg	0.2 mg	0.2 mg	0.2 mg
Bearing Rust Protection	D-1743	Pass	Pass	Pass	Pass
Salt Fog Corrosion, 1 mil d.f.t., 48 hrs	B-117	Pass	Pass	Pass	Pass
Wheel Bearing Leakage, grams	D-4290	< 3	< 5	20.12g	-
Bearing Life Performance, hours	D-3527	150+	125	100	100
Bomb Oxidation, 100 hours @ 99°C, PSI Drop	D-942	< 1	0	0	0
Water Washout, % removed	D-1264	< 1	< 5	-	-
Water Spray Off, % removed	D-4049	29.6	-	-	-
Oil Separation, % loss	D-1742	< 0.5	-	-	-
Copper Strip Corrosion	D-4048	1b	1b	1b	1b
Elastomer Compatibility:					
AMS 3217/3B CR Type 70 hours @ 100CC Percent Swell	D-4289	+3.4	+3.6	+3.7	+3.7
Hardness Change, Durometer A Points		-1.2	-1.0	-1.0	-1.0
Base Oil Viscosity, cSt:					
@ 100°C	D-445	11.7	11.7	11.7	11.7
@ 40°C		105	105	105	105
Viscosity Index		100	100	100	100
Emcor Corrosion, 3% NaCl	D-6138	2,2	-	-	-
Emcor Corrosion Distilled Water		#1	#1	#1	#1
Lincoln Ventmeter:					
@ 77°F	K95400	260 psi 552 psi 1,554 psi	-	31 psi (@-20°C)83 psi 31 psi	-
@ 30°F					
@ 0°F					

