

SE-100 GREASE NLGI #2

SE-100 is high performance extreme pressure grease exhibiting outstanding film strength and resistance to corrosive saltwater type environments. This product has unmatched natural lubrication properties due to its high quality overbased calcium sulfonate thickener which offers superior load carrying properties combined with superior anti-wear & EP properties, anticorrosive capacity, and rust prevention. It is intended for the lubrication of heavy duty machinery during severe operating conditions, such as high operating temperatures, heavy loads, and/or extreme pressure areas where high amounts of water washout would destroy a typical EP2 grease.

SE-100 is made from the highest quality raw materials available and uses the latest grease manufacturing techniques (Lubrizol CS Technology). The over-based calcium sulfonate complex thickener used in this product is the latest technological breakthrough in grease manufacturing. These advancements in grease manufacturing produce amazing resistance against high temperatures and make the grease virtually waterproof. This premium thickened grease then utilizes a proprietary blend of base stocks to yield ISO 220 base oil (@ 40 cSt).

SE-100 has superior structural and thermal stability from this new generation grease thickening technology and premium base oil blend. This grease is made at a robust base oil viscosity weight to provide exceptional performance in a wide range of light to heavy duty, low to high temperature, and slow to higher speed applications. This chemistry makes SE-100 the most ideal #2 multi-purpose grease. This grease is arguably the closest all-purpose yet affordable grease on the marketplace. SE-100 contains no heavy metals or other environmentally undesirable additives. Thus it is completely 100% free of antimony, barium, chlorine, copper, graphite, aluminum, lead, phosphorous, sulfur and zinc.

INDUSTRIES & APPLICATIONS:

SE-100 is recommended for the most severe applications in industry and is particularly suitable for high speed bearings and centralized lubrication systems. Due to its excellent water repellency, oxidation resistance and a wide operating temperature range it is an obvious choice for virtually any application calling for an #2 multi-purpose grease.

SE-100 is particularly useful for marine, construction, hauling, industrial plant, mining, and steel applications as well as off-road machinery for greasing wear points such as chassis and wheel bearings (Meets NLGI GC-LB classification).

1.	NLGI Grade	ASTM D 217	2
2.	Thickener Type	-	Overbased Calcium Sulfonate Complex
3.	Color	Visual	Green
4.	Appearance / Texture	Visual	Smooth
5.	Base Oil Viscosity @ 40°C, cSt	ASTM D 445	220
6.	Oxidation Stability, PSI Loss @ 100 hrs	ASTM D 942	0
7.	PSI Loss @ 500 hrs		2
8.	PSI Loss @ 1000 hrs		9
9.	Dropping Point, °F	ASTM D 2265	+550
10.	Worked Cone Penetration, 60 Strokes	ASTM D 217	275
11.	Change after 10,000 Strokes	ASTM D 217	+1
12.	Change after 100,000 Strokes	ASTM D 217	+2
13.	Four Ball EP, Weld Point, kg	ASTM D 2596	620
14.	Four Ball EP, Load Wear Index, kg	ASTM D 2596	65
15.	Four Ball Wear, Scar, mm	ASTM D 2266	0.4
16.	Timken OK Load, lbs	ASTM D 2509	65
17.	Water Washout @ 175°F, % wt loss	ASTM D 1264	3.0
18.	Water Spray-Off, % wt loss	ASTM D 4049	9.0
19.	Roll Stability Change, %	ASTM D 1831	+0.1
20.	Wheel Bearing Leakage, grams	ASTM D 1263	0.5
21.	Fretting Wear, mg loss	ASTM D 4170	1.7
22.	Corrosion Protection	ASTM D 1743	Pass
23.	Copper Corrosion	ASTM D 130	Pass
24.	Copper Strip Corrosion, 210°F, 3 hrs	ASTM D 4048	1A
25.	Oil Separation, 24 hrs @ 25°C (77°F), %	ASTM D 1742	0.0
26.	High Temp Life, hrs	ASTM D 3527	235
27.	Pour Point, °C (°F)	ASTM D 97	-20 (-4)
28.	Flash Point, COC, °C (°F)	ASTM D 92	225 (437)

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