STEWARD ENTERPRISE INC.
Oil Division

Technical Data Sheet

SE-200 Grease

PRODUCT DESCRIPTION:

Se-200 is a high performance, extreme pressure grease exhibiting outstanding pumpability in cold artic type climates and hot tropical climates. This grease is formulated to extend re-lubrication intervals while providing superior film strength, load carrying ability, water washout resistance, and rust and corrosion prevention compared to traditional multipurpose EP greases.

SE-200 features a Timken OK load of 65 lbs and a weld point in excess of 500 kg. It is recommended for virtually all types of applications ranging from an excellent multipurpose grease to providing extended protection of critical wear points in the most severe extreme pressure applications in the construction, mining, agricultural, logging, and hauling industries and any place where a shear stable, high load carrying, corrosion resistant grease is required. This grease is particularly suitable for high-speed bearings, extremely cold climates, hot climates, and centralized lubrication systems. This grease also contains a special stay-put adhesion additive that assists the grease in resisting pounding out in shock loading impact conditions.

Se-200 is an excellent choice for use in automotive applications as it meets and exceeds the NLGI GC-LB classification for superior protection of wheel bearings and chassis. It exhibits excellent water repellency, oxidation resistance, and a wide operating temperature range; making it is an obvious choice for virtually any multi-purpose or extreme pressure grease application. This grease is manufactred with special superior quality low viscosity base oils to increase pumpability in automatic lubrication systems and in all types of climates. This special base oil package makes this grease the ideal hi-low temp grease featuring an operating temperature range from -40° F to 400° F. The grease is also formulated in a NLGI 1.5 grade instead of NLGI 2 to further increase pumpability in automatic lubrication systems and at extremely low temperatures.

Key Features:

- Calcium Sulfonate Base
- Excellent Pumpability
- Superior EP Properties
- Excellent Low Temperature Performance
- High dropping point
- Excellent Rust and Corrosion Protection
- Excellent Water Resistance

Customer Benefits:

- Superior Inherent Lubrication Properties
- Easily Pumpable in Automatic Grease Systems
- Extended Life of Wear Points
- Will Not Gum Up in Extremely Cold Climates.
- Will Not Melt or Drip While in Service
- Extends Life of Critical Machinery Parts
- Will Not Wash or Spray Off

Why is All-Season CSC Grease Better?

The traditional explanation for grease has been to picture it as a sponge soaked in oil. The thickener or soap acts as the sponge while the oil performs the task of lubricating the metal parts.

Now for the first time we have a thickener (sponge) which actually contributes to the grease lubricating actions. Calcium Sulfonates have been used for decades as a performance additive in engine and gear oils.

Calcium Sulfonate provides the grease with extreme pressure properties, corrosion protection and water resistance. Calcium Sulfonate is not used as an 'additive' in the grease, it is the grease. This provides the grease with amplified and exceptional inherent properties without the need for additional additives - this is a factor that ensures long grease life and stability while offering unmatched superior performance.

Calcium Sulfonate thickened grease allied with superior quality base oils provides unmatched high performance grease, outperforming traditional EP greases.

Test	Method	Result
NLGI Grade	ASTM D 217	1.5
Thickener Type	-	CSC
Appearance	Visual	Slightly Tacky
Color	Visual	Green
Worked Penetration	ASTM D 217	305
Drop Point, °F	ASTM D 2265	+ 550
Base Oil Viscosity, cSt @ 40°C	ASTM D 445	60-70
Wheel Bearing Leakage, gm	ASTM D 1263	5.0 max
Water Washout @ 175° F, % wt	ASTM D 1264	3.0 max
Weld Load, kg	ASTM D 2596	500 min
Load Wear Index	ASTM D 2596	65
Timken OK Load, lb	ASTM D 2509	65
Wear Scar Diameter, mm	ASTM D 2266	.40
Rust Test, Rating	ASTM D 1763	Pass
Oxidation Stability, PSI drop 100 HRS	ASTM D 942	1.5
Grease Mobility, G/MIN @-20F, @ 40F	ASTM D 942	15 min/1 min