

# FS Spectra Lube Green Semi-Synthetic Grease

## Description

FS Spectra Lube Green Semi-Synthetic Grease is a high-technology, calcium sulfonate-complex-thickened grease made with a heavy base oil. This combination gives it exceptional mechanical stability; very high load-carrying ability; excellent resistance to water, oxidation, and corrosion; and outstanding performance in a wide range of temperatures.

FS Spectra Lube Green Semi-Synthetic Grease is formulated to meet the requirements of a variety of applications. It performs well in the mining, farming, and construction industries, where conditions are severe and performance of grease is critical to the operation.

It is excellent for use in open or marine-type applications where water washout and corrosion are of primary concern.

## Features and Benefits:

- Synthetic based structure provides improved resistance against oxidation and higher film strength at elevated temperatures.
- Extended Bearing Life Performance (Exceeds 180 hrs at ASTM D3527), GC/LB requirement is min. 80 hrs.)
- Increased Load Carrying Capability and Lubricant Film Strength (620 kG 4-ball EP OK Load)
- Improved Rust Protection Performance (ASTM D 5969, Synthetic Sea Water Rust Protection Performance)
- Advanced Wear Protection (extensive results on fretting wear protection.)
- Improved Low temperature working characteristics with low temperature pumpability torque.

## Recommended Use:

- Automotive, industrial, construction, agricultural, railroad, and mining operations
- Specific applications such as all chassis points for automotive, wheel bearings, fifth wheels, kingpins, anti-friction bearings, steel mill roller bearings, and farm or earth-moving equipment
- Marine applications where water washout and corrosion are of primary concern

## Product Availability:

### FS Spectra Lube Green Semi-Synthetic #2

120# KEG	Item #296762
120# KEG w/Liner	Item #296763
35# PAIL	Item #296764
35# PAIL w/Liner	Item #296760
30 TUBE CASE	Item #296761



## Typical Properties:

Test / Description	Method	Specification
<b>Thickener</b>		<b>Calcium Sulfonate Complex</b>
<b>Color</b>		Green
<b>Worked Penetration, 60 Strokes</b>	ASTM D217	275
<b>Dropping Point, (°F)</b>	ASTM D2265	550
<b>Base Oil Viscosity @ 40°C cSt</b>	ISO Grade	220
<b>Rust Preventative Properties</b>	ASTM D1743	Pass
<b>Durometer Hardness, Type, % Change</b>	ASTM D4289_CR	-7
<b>Seal Swell, % Change</b>	ASTM D4289_CR	14.54
<b>Durometer Hardness, Type, % Change</b>	ASTM D4289_NBR	-5
<b>Seal Swell, % Change</b>	ASTM D4289_NBR	5.71
<b>Water Spray-off, %</b>	ASTM D4049	55
<b>Water Wash-Out, %</b>	ASTM D1264	2
<b>4-ball EP OK Load, kg.</b>	ASTM D2596	620
<b>4-ball Wear, scar diameter, mm</b>	ASTM D2296	0.56
<b>Timken Test, lbs.</b>	ASTM D2509	70
<b>Wheel Bearing Life, hours</b>	ASTM D3527	180
<b>Fretting Wear, mg</b>	ASTM D4170	4.8
<b>Leakage Tendencies, g</b>	ASTM D4290	0.43
<b>Low Temperature Torque</b>	ASTM D4693	5.1
<b>Flow Properties 0°/-20°/-40°C</b>	DIN 51805	148/470/1945

## Storage and Handling:

- Tube should be stored upright at all times.
- If grease left in grease gun: Depressurize, wipe clean, and store in a clean, cool, dry place.
- Avoid prolonged storage; inspect if more than one year old.
- Storage life up to five years.
- Store in cool, dry indoor area that does not exceed 86°F and remains above 32°F.
- Do not store near heat source or expose to direct sunlight.
- Store in original packaging or container and keep container closed until time to use.
- Wipe lid or cover clean before opening.
- Always use clean tools and dispensing equipment.
- Close or cover container after use.