



# Super S® Hi-Temp Red Grease

**Super S Hi-Temp Red Grease** is an extended service, premium, lithium complex, extreme pressure (EP) grease that provides superior protection to lubricate a wide variety of automotive, agricultural, trucking, mining, construction, and industrial equipment. Combines excellent multi-purpose properties with a high dropping point to offer protection across a wide temperature range. Lithium complex greases are extremely versatile performers that are highly recommended for disc brake wheel and conveyor bearings providing outstanding shock load protection.

**Super S Hi-Temp Red Grease** was designed to outperform conventional products by applying cutting edge, proprietary, lithium complex manufacturing technology. They are formulated to provide excellent high temperature performance with superb adhesion, structural stability and resistance to water contamination. These greases have a high level of chemical stability and offer excellent protection against rust and corrosion. Their performance features make them ideal choices for operating conditions including high temperature, water contamination, shock loading and extended re-lubrication operations.

## APPLICATIONS

**Super S Hi-Temp Red Grease** is recommended for

- Heavy duty fleet chassis lubrication, ball joints, and univesal joints
- Boat trailers and other marine applications
- Ball and roller bearings
- Heavy service industrial lubrication
- Recommended for wheel bearings both disc and drum
- Agricultural equipment

## RECOMMENDATIONS/SPECIFICATIONS

*Meets meet the highest performance categories of ASTM D-4950 Automotive Grease Classification System, GC for wheel bearing service and LB for chassis service.*

## SPECIAL HANDLING, NOTICES OR WARNINGS

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Safety Data Sheet (SDS) are followed. SDS's are available upon request through your sales office or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

## FEATURES/ BENEFITS

**Super S Hi-Temp Red Grease** provides

- **Excellent water resistance** - helps assure proper lubrication and protection even in the most severe water exposure conditions
- **Excellent oxidation resistance** - helps extend grease life and enhance bearing protection in high temperature applications helping to reduce maintenance and replacement costs
- **Outstanding rust and corrosion protection**- protection of lubricated parts even in hostile aqueous environments
- **Wear protection under extreme loads** - reliable protection of lubricated equipment, even under conditions of high sliding with potential for extended equipment life and reduced unanticipated downtime
- **Highly adhesive and cohesive structure** - excellent grease tenacity, helps reduce leakage and extend re-lubrication intervals for reduced maintenance requirements
- **Resists separation and pumps easily** - operation over wide temperature range allows for reduced inventory



**TYPICAL CHARACTERISTICS**

<b>Super S Hi-Temp Red Grease</b>		
<i>Properties</i>	<i>Test Method ASTM D-</i>	<i>Data</i>
All Applications		
Appearance	Visual	Red
Consistency	Visual	Smooth, Adhesive
Soap Type		Lithium complex
NLGI Grade		2
NLGI Classification		GC-LB
Worked Penetration	217	265-295
Drop Point (°C/°F)	2265	>260(500)
Oil Separation	1742	1.2
Base Oil Viscosity cSt @ 40 °C cSt @ 100 °C	445	220 15.74
Viscosity Index	2270	>90
Automotive Applications		
Water Washout @ 175 °F	1264	4.1
Leakage Tendencies, g loss	4290	1.4
High Temp Life hours	3527	100
Fretting Protection mg	4170	7.8
Elastomer Change at 100 °C Volume Change % Hardness Change %	4289	24 -9
4 Ball Wear Scar Diam., mm	2266	0.54
4 Ball Load Wear Index kgf	2596	50
4 Ball EP Weld kgf	2596	315
Rust Test	1743	Pass
Low Temperature Torque N-m	4693	13.0
Industrial Applications		
Timken OK Load lbs	2509	45
Cu Corrosion	4048	Pass
Oxidation, psi drop @ 100 hrs	942	10 max

Typical test data are average values only.

Minor variations which do not affect product performance are to be expected during normal manufacturing

**PRODUCT NUMBERS**

SUS 67	50/ 14 oz tubes
SUS 77	12/1 lb tub
SUS 71	35 lb Pail
SUS 70	120 lb keg
SUS 78	400 lb drum