

PRODUCT BULLETIN

Hi-Temp Red Lithium Complex Grease

PRODUCT #227

CAM2 Hi-Temp Red Grease is an 12-HSA 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 multipurpose 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.

CAM2 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.

CAM2 Hi-Temp Red Grease is compatible with most grease thickeners making it an excellent multi-use grease effectively reducing inventory. Lithium complex greases are found to be compatible with a broader range of thickeners than other grease thickeners.

SPECIFICATIONS

Soap type: Lithium Complex
Color: Red
Texture: Smooth, buttery

FEATURES

- **Water Resistant** - helps assure proper lubrication and protection even in the most severe water exposure conditions
- **Corrosion Protection** - protection of lubricated parts even in hostile aqueous environments
- **Oxidation Stability** - helps extend grease life and enhance bearing protection in high temperature applications helping to reduce maintenance and replacement costs
- **Economical** - premium performance in a low cost formula
- **Highly Adhesive** - excellent grease tenacity, helps reduce leakage and extend re-lubrication intervals for reduced maintenance requirements
- **Wear Protection** - reliable protection of lubricated equipment, even under conditions of high sliding with potential for extended equipment life and reduced unanticipated downtime
- **Resists Separation** - operation over wide temperature range allows for reduced inventory

Table 1. Grease Compatibility

	Aluminum Complex	Barium	Calcium	Calcium 12 Hydroxy	Calcium Complex	Clay	Lithium	Lithium 12 Hydroxy	Lithium Complex	Polyurea	Sodium	Calcium Sulfonate
Aluminum Complex	-	■	■	●	■	■	■	■	●	■	■	■
Barium	■	-	■	●	■	■	■	■	■	■	■	▼
Calcium	■	■	-	●	■	●	●	▼	●	■	■	N/A
Calcium 12-Hydroxy	●	●	●	-	▼	●	●	●	●	■	■	N/A
Calcium Complex	■	■	■	▼	-	■	■	■	●	●	■	●
Bentone (Clay)	■	■	●	●	■	-	■	■	■	■	■	■
Lithium	■	■	●	●	■	■	-	●	●	■	■	●
Lithium 12-Hydroxy	■	■	▼	●	■	■	●	-	●	■	■	●
Lithium Complex	●	■	●	●	●	■	●	●	-	■	■	●
Polyurea	■	■	■	■	●	■	■	■	■	-	■	■
Sodium (Soda Base)	■	■	■	■	■	■	■	■	■	■	-	■
Calcium Sulfonate	■	▼	N/A	N/A	●	■	●	●	●	■	■	-

▼ Borderline Compatibility ● Compatible ■ Incompatible N/A - Not Available



*TECHNICAL DATA ON PAGE 2

TECHNICAL DATA

CAM2 HI-TEMP RED NLGI #2

<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-Ib
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