



## GREASE

# HI-TEMP RED

**RIDGELINE™**

### PRODUCT DESCRIPTION

RIDGELINE™ Hi-Temp Red Grease is a premium, lithium complex, extreme pressure (EP) grease that combines excellent multipurpose properties with a high dropping point to offer protection across a wide temperature range. Its performance features make it an ideal choice for operating conditions including high temperature, water contamination, shock loading and extended re-lubrication operations.

### APPLICATIONS

RIDGELINE™ Hi-Temp Red Grease is compatible with most grease thickeners making it an excellent multi-use grease effectively reducing inventory in automotive, agricultural, trucking, mining, construction, and industrial equipment. Lithium complex greases are found to be compatible with a broader range of thickeners than other grease thickeners.

### FEATURES AND BENEFITS

- 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



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## SPECIFICATIONS

RIDGELINE™ Hi-Temp Red Grease meets the following grease compatibilities:

	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



## TYPICAL PROPERTIES

Property	Test Method ASTM D-	Data
All Applications		
Appearance	Visual	Red
Consistency	Visual	Smooth, adhesive
Soap Type		Lithium Complex
NLGI Grade		2
NLGI Classification		Gc-lb
Worked Penetration	217	2650295
Drop Point (°C/°F)	2265	>260(500)
Oil Separation	1742	1.2
Base Oil Viscosity	445	
cSt @ 40°C		220
cSt @ 100°C		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
Elastometer change at 100°C	4289	
Volume change %		24
Hardness change %		-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	PSS
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

The physical property values above are typical of normal production and may vary.

## DISCLAIMER

Always follow OEM recommendations for fluid viscosity and API service category. Parkland Fuel Corporation takes no responsibility for product misuse or misapplication.

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