



# HEAVY DUTY HI-TEMP GREASE NLGI #2

CITADEL Heavy Duty Hi-Temp Grease provides superior extreme pressure and wear protection for heavy duty off-road equipment in the most demanding conditions. Engineered for extended use in many construction, agriculture, mining, mills, quarries and industrial applications. It is also ideally suited for on-highway heavy duty applications and wherever lithium complex greases are recommended, such as wheel bearings, ball joints, universal joints, suspension systems, etc.

## FEATURES



CORROSION  
PROTECTION



EXTREME  
PRESSURE



HIGH  
TEMPERATURE



WATER  
RESISTANCE

## APPLICATIONS:

Ideal for use in heavy duty applications under high stress/load conditions, often with high ambient temperatures commonly found in on and off-road applications, mining, quarries, forestry and agriculture.

- Heavy duty off-road construction including various types of earth moving equipment such as dozers, excavators, backhoes, shovels, articulated loaders, dump trucks & more.
- Heavy duty on/off highway construction & maintenance vehicles that are used both on & off-road, including cement mixers & tri-axle dump trucks.
- Severe duty applications such as kingpins, bushing & bucket pins, 5<sup>th</sup> wheels, etc.
- Mining & quarry applications such as bushings on buckets, loaders, shovels, crushers & conveyors.
- Agriculture equipment tractors & loaders from general to industrial farm equipment.
- Automotive ball joints, universal joints, water pumps, conventional sleeve bearings, ball & roller anti-friction bearings & wheel bearings.

## FEATURES & BENEFITS:

- High temperature performance with a dropping point >500 °F.
- Fortified with extreme pressure additives for excellent protection in severe duty, high shock load conditions.
- Outstanding load carrying capacity.
- Multipurpose use in a wide range of applications.
- Water resistance & washout.
- Excellent protection against abrasive & adhesive wear, rust & corrosion.
- Less frequent greasing intervals & extended life equipment.

## RECOMMENDED PERFORMANCE SPECIFICATIONS:

CITADEL Heavy Duty Hi-Temp Grease is compatible with other greases that use a lithium-based thickener. Always consult a grease compatibility chart to determine whether it is acceptable to mix with other thickener types.

- NLGI GC-LB



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CITADEL Heavy Duty Hi-Temp Grease		Typical Characteristics
<b>NLGI</b>	<b>Test Method ASTM -D</b>	<b>2</b>
Penetration, mm/10		
Worked 60 strokes	217	265-295
Dropping Point, °C (°F)	2265	260(500)
Thickener Type		Lithium Complex
Color	Visual	Red
Base Oil Viscosity, Kinematic		
cSt @ 40°C	445	320
cSt @ 100°C	445	30
Base Oil Viscosity Index	2270	124
Four Ball EP Performance		
Weld Point, kg	2596	400
Load wear index, kg	2596	50
Timken, OK Load, lb	2509	70
Four Ball Wear Scar, mm	2266	0.54
Bearing rust protection	1743	Pass
Oxidation Stability, lb loss/100 hrs	942	2
Water Spray-off, %	4049	7
Water Washout @ 175 °F, % loss	1264	3.5
Leakage Tendencies, g	4290	1
Low Temperature Torque, @ -40°C	4693	12.8

*Minor variations in test data are to be expected in normal manufacturing*