



ULTRA EXTREME PRESSURE GREASE NLGI #2

CITADEL Ultra EP Grease is a high performance, extreme pressure multipurpose grease for applications requiring superior extreme pressure performance and/or in highly saturated water environments. Its calcium sulfonate complex thickener contains inherent rust protection and extreme pressure properties superior to conventional soap-base thickeners (lithium, aluminum, calcium soaps). Engineered for extended use in many construction, agriculture, mining, mills, quarries and industrial applications.

FEATURES



APPLICATIONS:

Ideal for use in multiple applications under high stress/load conditions, often in severely wet environments that require increased levels of extreme pressure protection and increased protection against corrosive water.

- 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, 5th wheels, etc.
- Mining & quarry applications such as bushings on buckets, loaders, shovels, crushers & conveyors.
- Agriculture equipment tractors & loaders from general to industrial farm equipment.
- Steel & paper mills.
- Marine applications.
- Automotive ball joints, universal joints, water pumps, conventional sleeve bearings, plain & anti-friction bearings.

FEATURES & BENEFITS:

- High temperature performance with a dropping point >550 °F.
- Extreme pressure performance exceeding 620kg in the 4-Ball Wear Test for excellent protection in severe duty high shock load conditions.
- Outstanding load carrying capacity.
- Multipurpose use in a wide range of applications.
- Superior water resistance & washout.
- Superior rust & corrosion protection.
- Less frequent greasing intervals for reduced grease consumption.
- Excellent performance in extremely hot & wet conditions.

RECOMMENDED PERFORMANCE SPECIFICATIONS:

CITADEL Ultra Extreme Pressure Grease is compatible with other greases that use a calcium sulfonate complex 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 Ultra EP Grease		Typical Characteristics
NLGI	Test Method ASTM -D	2
Penetration, mm/10		
Worked 60 strokes	217	265-295
Dropping Point, °C (°F)	2265	287(550)
Thickener Type		Calcium Sulfonate Complex
Color	Visual	Blue
Base Oil Viscosity, Kinematic		
cSt @ 40°C	445	220
Four Ball EP Performance		
Weld Point, kg	2596	620
Timken, OK Load, lb	2509	70
Four Ball Wear Scar, mm	2266	0.56
Bearing rust protection	1743	Pass
Water Washout @ 175 °F, % loss	1264	0.75
Leakage Tendencies, g	4290	0.43
Copper Corrosion	4048	1B
Low Temperature Torque, @ -40°C	4693	5.1

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