



HEAVY DUTY 3% MOLY GREASE NLGI #2

CITADEL Heavy Duty 3% Moly Grease is designed for severe duty, high shock load and the demanding temperature conditions associated with heavy duty off-road equipment. It contains 3% molybdenum disulfide required by multiple OEMs for off-road applications. Engineered for extended use in many construction, agriculture, mining, mills, quarries and industrial applications. CITADEL Heavy Duty 3% Moly Grease provides superior corrosion protection, wear control and shock load over a wider temperature range when compared to typical contractors grease.



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, 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.
- Automotive ball joints, universal joints, water pumps, conventional sleeve bearings, plain & anti-friction 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
- Excellent water resistance & washout
- Excellent protection against abrasive & adhesive wear, rust & corrosion
- Less frequent greasing intervals & extended life equipment

RECOMMENDED PERFORMANCE SPECIFICATIONS:

CITADEL Heavy Duty 3% Moly Grease is recommended in off-road applications where OEMs desire 3% moly. Always consult a grease compatibility chart to determine whether it is acceptable to mix with other thickener types.

- Meets Caterpillar recommendation for greases containing 3% molybdenum disulfide (CAT Prime Application).



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CITADEL Heavy Duty 3% Moly Grease		Typical Characteristics
NLGI	Test Method ASTM -D	2
Penetration, mm/10		
Worked 60 strokes	217	265-295
Dropping Point, °C (°F)	2265	260(500)
Thickener Type		Lithium Complex
Color	Visual	Carbon Grey
Base Oil Viscosity, Kinematic		
cSt @ 40°C	445	320
cSt @ 100°C	445	29
Base Oil Viscosity Index	2270	120
Four Ball EP Performance		
Weld Point, kg	2596	500
Load wear index, kg	2596	64
Timken, OK Load, lb	2509	70
Four Ball Wear Scar, mm	2266	0.51
Bearing rust protection	1743	Pass
Oxidation Stability, lb loss/100 hrs	942	3
Water Spray-off, %	4049	12.3
Water Washout @ 175 °F, % loss	1264	1
Leakage Tendencies, g	4290	1.61
Copper Corrosion	4048	1B

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