



ULTRA PELLET MILL GREASE

CITADEL Ultra Pellet Mill grease is designed to protect roll bearings in wood pellet mills under severe conditions including high temperatures, moisture, particulate debris and continuous load. Inferior greases in pellet mill applications will sacrifice bearings, leading to increased downtime and maintenance costs. CITADEL Ultra Pellet Mill Grease utilizes advanced calcium sulfonate thickeners that have inherent extreme pressure and rust protection. It has been engineered to resist oil separation in the presence of high temperature and vibration.



APPLICATIONS:

Recommended for light, medium, heavy and extreme duty applications. Designed to handle high temperature and saturated applications.

- Wood pellet mill roll bearings
- Ring Dies
- Flat Dies

FEATURES & BENEFITS

- Phenomenal extreme-pressure and wear protection
- Superior load-carrying capability
- Shock loading protection
- Excellent high temperature adhesion and bleed control
- Superior bearing lubrication for high temp. operations
- Superior moisture handling capabilities, without consistency changing
- Reducing grease consumption through extended lubrication intervals

RECOMMENDED PERFORMANCE SPECIFICATIONS:

Always consult a grease compatibility chart to determine whether it is acceptable to mix with other thickener types.



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CITADEL Ultra Pellet Mill Grease		Typical Characteristics
NLGI	Test Method ASTM -D	1.5
Penetration, mm/10		
Worked 60 strokes	217	285-315
Worked 100,000 Stokes, Change from 60 Strokes	D-2265	+2
Base Oil Properties	445	
Dropping Point, °C (°F)	2265	274(575)
Thickener Type		Calcium Sulfonate Complex
Color	Visual	Green
ISO Viscosity		
cSt @ 40°C	445	ISO 460 cSt
Viscosity Index		>170 min.
Oxidation Stability, lb loss/100 hrs	942	
Four Ball EP Performance		
Weld Point, kg	2596	620 Kgf. min.
Load wear index, kg	2596	65
Four Ball Wear Scar, mm	2266	0.39 mm
Timken, OK Load, lb	2509	70 lbs.
Bearing rust protection	1743	Pass
Oil Separation, @ 160 °F, 30 hrs. %	6184	
Oil Separation, Storage, 24 hrs. @ 25°C	1742	0.17%
Water Washout @ 175 °F, % loss	1264	<5%
Leakage Tendencies, g	4290	
Psi pressure drop, 100 hours		0
Psi pressure drop, 500 hours		2
Psi pressure drop, 1,000 hours		9
Corrosion Protection	1743	Pass
Roll Stability, Pen	1831	+19
Wheel Bearing Leakage, Modified, 325°F (162°C)	1263	0.40 grams
Pour Point	97	5°F (-15°C)
Operating Temperature Range		20°F to 350°F (-29° to 177°C)

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