ULTRA EP™ STEEL MILL GREASE

PERRFORMANCE-AVAILABILITY-PRICE

- Helps protect metal surfaces from wear caused by metal-to-metal contact & abrasive materials
- High viscosity polymers & solids with exceptional metal surface adhesion help seal bearings-preventing leaks, entry of abrasives & loss of operation pressures
- Excellent protection from corrosion from water, alcohols, glycols, CO2 , H2S, & other solvents caustic chemicals
- Compatible with all commonly used seal materials
- Will not harm advanced metallurgy or coatings
- Wide temperature range (10°F to 750°F intermittent) ν Resists high temperature oxidation, thinning & bleeding Reduces pressure related problems & downtime

Feature	Benefit
Syntheon™ Synthetic Base Stock Blends	• Gives you a more uniform viscosity over a wide temperature range • Helps improve high temperature oxidation and thermal stability • Better low temperature performance • Extends service life
Moly[XP]	• Adds a protective film on metal surfaces that dramatically reduces friction & wear
LUBIUM[®] *II*	• Enhances oxidation and corrosion resistance
Oxidation Inhibitor	• Reduces oil thickening • Helps prevent high temperature deposits that result from oxidation
Rust & Corrosion Inhibitor	• Builds a chemical bond with the surface to keep moisture and acids from penetrating and attacking the surfaces
Oiliness Additive	• Enables the oil to penetrate the surface for better lubrication
Anti-Wear Additive	• Helps prevent metal to metal contact, friction and wear
Extreme Pressure Additive	• Increases film strength of the oil giving it the ability to withstand extreme pressures without harming yellow metals
Seal Compatibility	• Compatible with all commonly used seal materials
Viscosity Index Improver Additive	• Less high temperature thinning and low temperature thickening
Long Life	• High performance formulation delivers longer lubricant life

Typical Physical Properties

N.L.G.I. Classification	#2	#1
Penetration, 60 strokes @77°F	265-295	315-340
Timken OK Load, lbs. (ASTM D2509)	60	60
Four Ball EP Test (ASTM D2596)		
Weld Load, kg	1000	1000
Load Wear Index	66	65
Four Ball Wear Test (ASTM D2266)mm	0.36	0.38
Dropping point, (ASTM D2265)	>586°F (>308°C)	580°F (304°C)
Base Oil Viscosity, cst @40°C	2855	113
Base Oil Viscosity, cst @100°C	177	12
Base Oil Viscosity Index	172	95
Base Oil Pour Point, (ASTM D97)	10°F (-12°C)	-30°F (-34°C)
Color	Gray	
Texture	smooth, very tacky	

Typical Performance Characteristics

Rust & Corrosion (ASTM D1743)	Pass
Copper Corrosion (ASTM D130)	1a
Water Spray Off, % Loss (ASTM D4049)	3.00
Oxidation Stability, PSI Drop, 100 hrs (ASTM D942)	5
Optimum Operating Temperature Range	
#2	+10°F to +750°F (-12°C to +399°C)
#1	-20°F to +750°F (-29°C to +399°C)

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