



# PAPER MILL GREASE

SYNTHETIC PAPER/PULP PROCESSING GREASE

Royal Purple Paper Mill Grease is a high performance, aluminum complex, synthetic grease designed to lubricate a wide range of typical paper / pulp processing applications using a single grease. Paper Mill Grease excels in bearing lubrication for all paper machine bearings from the wet end through the dry end operating at speeds of 1500 FPM to 6500 FPM. Due to its superior film strength, it is highly recommended on wet end roll bearings, wire return rolls, couch rolls, suction press rolls, granite or synthetic covered press rolls and wet felt rolls. It is also recommended for dry end rolls such as dryer felt rolls, coater rolls, calendar rolls, winder rolls and super calendar rolls. The versatility of Paper Mill Grease versatility allows its use in auxiliary equipment such as pumps, refiners, fans and conveyors.

Royal Purple Paper Mill Grease gains its performance advantages through its superior blend of synthetic base oils plus Synslide® additive technology, Royal Purple's unique, proprietary, noncorrosive, EP additive technology. Royal Purple Paper Mill Grease significantly increases bearing life and equipment reliability and makes bearings run smoother, cooler, quieter, longer and more efficiently. Synslide® additive

technology gives Royal Purple's EP (extreme pressure) oils and greases their amazing performance advantages. Synslide® additive technology provides maximum protection under boundary lubrication conditions typically caused by heavy loads, slow operating speeds, and shock load conditions. This tenacious, slippery film significantly improves lubrication and reduces wear by increasing the oil film thickness and toughness, which helps to prevent metal-to-metal contact in gears and bearings.

Paper Mill Grease is completely safe and non-corrosive to all ferrous alloys and yellow metals used in the manufacture of gears, bearings and other rotating equipment components, including case-hardened gears that are easily pitted by conventional sulfur-phosphorus EP oils. Paper Mill Grease is a superior multi-purpose EP grease that significantly increases bearing life and equipment reliability, and makes bearings run smoother, cooler, quieter, longer and more efficiently.

Royal Purple Paper Mill Grease is an undyed product

## PERFORMANCE ADVANTAGES

### **SUPERIOR HIGH-TEMPERATURE**

**PERFORMANCE** - Aluminum complex thickener provides a high dropping point and high-temperature stability to the grease

**OUTSTANDING WEAR PROTECTION** - Synslide® additive technology and aluminum complex thickener drastically increase load carrying ability, preventing metal-to-metal contact

**EXCEPTIONAL WATER RESISTANCE** - Will not mix with water and has great resistance to water wash off

**REDUCED VIBRATION** - The tough lubricating film cushions load and Synslide® micro-mends contacting bearing surfaces

### **GREATER CORROSION PROTECTION** -

Advanced anti-corrosion additives along with the aluminum complex thickener provide unmatched corrosion protection for the lubricated components



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## TECHNICAL DATA

Property	Test Method	
NLGI Grade		1.5
Thickener Type		Al. Complex
Worked Penetration	ASTM D217	300
Base Oil Viscosity @ 40°C, cSt	ASTM D445	244
Base Oil Viscosity @ 100°C, cSt	ASTM D445	44
Dropping Point, °C (°F)	ASTM D2265	255 (491)
Water Washout, %	ASTM D1264	3.2
Rust Protection	ASTM D1743	PASS
Copper Corrosion, 24hr @ 100°C	ASTM D4084	1A
4-Ball EP Test, Weld Load, kg	ASTM D2596	315
4-Ball EP Test, Load Wear Index	ASTM D2596	62.4
Useful Temperature Range, °C (°F)	ASTM D5800	-20 to 177 (-4 to 350)

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