Paper Mill Grease

Synthetic Paper / Pulp Processing Grease

Beyond Synthetic™

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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. Most rolling element bearings in wood yards, pulp mills and paper mills through the finishing processes can be effectively lubricated with Royal Purple® Paper Mill Grease.

Royal Purple® Paper Mill Grease is the appropriate bearing lubricant 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. (For shafts in excess of seven inches in diameter or speeds in excess of 3000 RPM, consult your Royal Purple® representative or call Royal Purple's technical support staff at 281-354-8600.) Royal Purple® Paper Mill Grease's 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.

Performance Advantages:

- **Aluminum Complex Grease Base**
  Royal Purple® Paper Mill Grease has superior shear stability, water resistance and high temperature performance.
- **Greater Wear Protection**
  Royal Purple® Paper Mill Grease's extraordinary film strength provides superior protection to anti-friction and journal bearings.
- **Reduces Vibrations**
  The tough oil film of Royal Purple® Paper Mill Grease coupled with its ability to micro-polish contacting bearing elements provides superior bearing lubrication.
- **Exceptional Water Resistance**
  Royal Purple® Paper Mill Grease will not mix with water and has great resistance to water wash off.
- **Broad Service Applications**
  Royal Purple® Paper Mill Grease's high film strength and medium viscosity base oils enable it to service the widest range of paper machine bearing sizes and speeds. (Where a separate grease is used for heavily loaded, low speed bearings, Royal Purple® recommends its Thermax™ 680 Grease.)
- **Outstanding Oxidation Stability**
  Royal Purple® Paper Mill Grease promotes clean, deposit-free bearings for better performance and provides a margin of safety for missed or extended relubrication intervals.
- **Excellent Rust and Corrosion Protection**
  Royal Purple® Paper Machine Grease protects metal surfaces in wet or dry environments during operation and shutdown.
- **Environmentally Responsible**
  Royal Purple® Paper Machine Grease components are TSCA listed and meet EPA, RCRA and OSHA requirements.

Synslide® additive technology makes the difference!

Synthetic oils enable Royal Purple to make superior lubricants, but it is Royal Purple's advanced Synslide® additive technology that gives Royal Purple's EP lubricants their amazing performance advantages. Synslide® additive technology truly is *beyond synthetic.*™

Synslide® additive technology is Royal Purple's toughest EP lubricating film. It provides maximum protection under boundary lubrication conditions typically caused by heavily loaded, slow speed and / or shock-load conditions.

This tough, proprietary, slippery film significantly improves lubrication and reduces wear by increasing both oil film thickness and oil film toughness, which helps to prevent metal-to-metal contact.

Synslide® additive technology is noncorrosive, displaces water from metal surfaces and excels in protecting equipment in wet environments. It also fortifies the oil against the detrimental effects of heat, which causes oil to oxidize.

Royal Purple, Ltd. • 1 Royal Purple Lane • Porter, Texas 77365
Phone: 281-354-8600 • Fax: 281-354-7600 • www.royalpurple.com

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ROYAL PURPLE® PAPER MILL GREASE

Synthetic Paper / Pulp Processing Grease

Beyond Synthetic™

Typical Properties*

NLGI Grade	1.5
Thickener Type (soap base)	Aluminum Complex
Fluid Type	Multi-Synthetic
Viscosity	
cSt @ 40˚C	244
cSt @ 100˚C	24
Viscosity Index	122
Drop Point ˚F	536
Cone Penetration, mm	
Worked, 60X	300
Worked, 10,000X	275
4-Ball EP Test	
Weld Load, kg.	315
Copper Corrosion	Pass

*All properties are typical and may vary.

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