



# COUPLING GREASE

## SYNTHETIC COUPLING GREASE

### BEYOND SYNTHETIC®

Royal Purple Coupling Grease is a lithium complex, high film strength grease that provides superior resistance to oil separation from the high centrifugal forces generated by couplings. It is formulated with high viscosity synthetic oils and tacky, synthetic polymers, plus Royal Purple’s proprietary Synslide additive technology to provide the tenacity and film strength necessary to protect against heavy loads and high centrifugal forces.

### 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, Royal Purple’s tough, EP lubricating film, provides maximum protection under boundary lubrication conditions typically caused by heavily loaded, slow speed and / or 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.

Synslide additive technology is noncorrosive to gears and bearings, including case-hardened gears that are easily pitted by conventional sulfur-phosphorus EP oils. Synslide additive technology 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.

### PERFORMANCE ADVANTAGES

**High Film Strength**

**Extremely Tacky**

**Outstanding Oxidation Stability**

**Excellent Corrosion Protection**

**Superior Shock Load Protection**

		NLGI Grade
Typical Properties*	Method	46
Thickener Type		Lithium Complex
Viscosity	D445	
cSt @ 40°C		2995
cSt @ 100°C		112
Viscosity Index	D2270	108
Copper Corrosion	D4048	PASS
Cone Penetration Test	D2596	355-385
Drop Point, °F/°C	D566	-38/-39
Four Ball EP Test	D2596	400

*\*Properties are typical and may vary.*