



THERMAX® GREASE

SPECIAL PURPOSE EP GREASE

BEYOND SYNTHETIC™

Thermax Grease is a special purpose, ultra-tough, multi-synthetic, aluminum complex EP grease. It is designed to lubricate equipment requiring grease formulated with a high viscosity base oil.

Thermax Grease is formulated with advanced synthetic base oils plus Royal Purple's proprietary, extreme pressure (EP) Synslide additive technology, which forms a chemical film capable of carrying loads much greater than other EP oils and greases under boundary conditions. Thermax Grease also has good oxidation stability, greatly resists water washout and provides good rust and corrosion protection to both ferrous and nonferrous metals. Thermax Grease excels in bearings or sliding surfaces that operate at low speeds, under heavy loads or shock loads, at high temperatures or in wet environments. Typical applications can be found in steel mills, paper mills or in marine service.

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

- Aluminum Coupling Grease
- Greater Wear Protection
- Reduces Vibrations
- Shock Load Protection
- Excellent Oxidation Stability
- Rust and Corrosion Protection
- Exceptional Water Resistance

		NLGI GRADE	
TYPICAL PROPERTIES*	ASTM METHOD	2	0
Thickener Type (Soap Base)	---	Aluminum Complex	Aluminum Complex
Thickener Content, %	---	9 - 10	7 - 9
Fluid Type	---	Multi-Synthetic	Multi-Synthetic
Viscosity, Fluid	D-445		
cSt @ 40°C		680	1000
Flash Point, °F	D-92	>450	>450
Drop Point, °F	D-566	522	522
Copper Corrosion Test	D-4048	PASS	PASS
Cone Penetration Test, mm	D-217		
Unworked		293	375
Worked, 60X		285	355
Worked, 10,000X		267	---
Worked Stability, % change	---		
Worked, 100,00X		<10	<10
Oxidation Resistance	D-942		
PSI Drop, 100 Hrs		<5.0	<5.0
Density, lbs/g	D-4052	7.51	7.51

*Properties are typical and may vary