



ENDUROSYN GREASE

MULTI-PURPOSE SYNTHETIC GREASE

BEYOND SYNTHETIC®

Endurosyn is a high performance, multi-service, calcium sulfonate complex, synthetic grease. Its outstanding performance is achieved through a superior blend of synthetic base oils and additives, plus Royal Purple's unique, proprietary Synslide additive technology. The superior Royal Purple lubricant formulation combined with a premium calcium sulfonate thickener provides unsurpassed protection against friction, wear and corrosion, and is inherently water resistant.

Endurosyn Grease significantly increases bearing life and equipment reliability and makes bearings run smoother, cooler, quieter, longer and more efficiently. Endurosyn Grease satisfies a wide range of grease requirements and is recommended for bearings and general purpose use.

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

Superior Stability

Calcium sulfonate complex thickener provides higher shear stability, better water resistance, and greater high temperature performance.

Greater Wear Protection

Endurosyn Grease's extraordinary film strength provides superior protection to anti-friction and journal bearings.

Reduced Vibrations

The tough oil film of Endurosyn Grease coupled with its ability to micro-polish contacting bearing elements provides superior bearing lubrication.

Multi-Temperature Service

Endurosyn Grease combines both good low temperature pumpability and excellent high temperature stability. It is suitable for centralized pressure systems.

Exceptional Water Resistance

Endurosyn Grease will not mix with water and has great resistance to water wash off. It excels in tough subsea applications.

Outstanding Oxidation Stability

Endurosyn Grease promotes clean, deposit-free bearings for better performance and provides a margin of safety for missed or extended reapplication intervals.

Excellent Rust and Corrosion Protection

Endurosyn Grease protects metal surfaces in wet or dry environments during operation and shutdown.

Environmentally Responsible

Endurosyn Grease components are TSCA listed and meet EPA, RCRA and OSHA requirements.

		NLGI Grade
Typical Properties*	Method	2
Thickener Type		Calcium Sulfonate Complex
Viscosity	D445	
cSt @ 40°C		136
cSt @ 100°C		10.9
Viscosity Index	D2270	46
Water Washout Test	D1264	1.7
Water Spray Resistance	D4049	15
Cone Penetration Test	D217	274
Drop Point, °F/°C	D2265	641/338
Oil Separation Test	D1742	0
Oxidation Resistance	D942	<0.5
Four Ball EP Test, WL kgf	D2596	620

**Properties are typical and may vary.*