



# WIRE ROPE LUBRICANT

## PREMIUM CORROSION AND WEAR PROTECTION

### BEYOND SYNTHETIC™

Royal Purple's Wire Rope Lubricant contains specially formulated synthetic lubricants, penetrants and synthetic additives, which significantly extend the service life of wire ropes over a wide range of temperatures and working conditions common to the mining, marine and construction industries. Wire Rope Lubricant has state-of-the-art corrosion inhibitors, exceptional penetrating and wetting ability and a strong adhesive film to keep the lubricant in place.

Note: Consult manufacturer for high temperature applications.

#### 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

- Outstanding Corrosion Protection**  
 Wire Rope Lubricant contains state-of-the-art synthetic corrosion inhibitors to protect against moisture and salt spray. Royal Purple's Synslide additive technology penetrates wire ropes and forms a "polar bond" with metal surfaces that displaces moisture by forming a protective chemical film.
- Exceptional Penetrant / Wetting Ability**  
 Wire Rope Lubricant penetrates, coats and protects wire ropes over a wide range of working conditions.
- Stays in Place**  
 Wire Rope Lubricant's strong adhesive film keeps the lubricant in place.
- Remains Fluid at Low Temperatures**  
 Wire Rope Lubricant does not harden in below freezing temperatures.
- Free of Lubricating Solids**  
 Wire Rope Lubricant does not contain lubricating solids such as moly or graphite, which are messy and can build up on a cable.

TYPICAL PROPERTIES*	ASTM METHOD	Light	WR
ISO Grade	---	150	460
Viscosity	D-445		
cSt @ 40°C		142.2	483
cSt @ 100°C		15.5	33.5
Viscosity Index	D-2270	112	112
Flash Point, °F	D-92	440	405
Pour Point, °F	D-6892	-44	-33
Rust Test	D-665		
Fresh Water		PASS	PASS
Salt Water		PASS	PASS
Four Ball EP Test	D-2783		
Weld Load, kgf		315	315
Density, lbs/g	D-4052	7.65	7.79

\*Properties are typical and may vary