

Beyond Synthetic™

Max-Tuff[®] is an ultra-tough, synthetic lubricant designed for use in assembling equipment. Max-Tuff[®], formulated with Royal Purple's proprietary, EP Synslide[®] additive technology, utilizes unique, synthetic molecules that tenaciously adhere to metal surfaces to create a formidable, load-bearing physical barrier between surfaces. This minimizes the possibility of boundary conditions (metal-to-metal contact) while providing excellent rust and oxidation protection to both ferrous and nonferrous metals.

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:

- Greater Wear Protection
- Extends Equipment Life
- Outstanding Rust/Corrosion Protection
- Reduced Temperatures

Typical Properties*

Viscosity	
cSt @ 40°C	600
cSt @ 100°C	35.7
SSU @ 100°F	3234
SSU @ 210°F	174
Viscosity Index	94
Flash °F	300
Specific Gravity @60°F	0.885

*All properties are typical and may vary.