

# THE THERMAL-LUBE

## SYNTHETIC HIGH-TEMPERATURE POLYPHENYL-ETHER (PFE) LUBRICATING OIL

# XL0891

June 2022

### CHARACTERISTICS:

**XL0891** is a fully formulated polyphenyl-ether lubricating oil with exceptionally low volatility and an exceptional resistance to degradation from heat, oxygen, radiation, and chemical attack.

**XL0891** well-suited for applications that experience extreme temperatures and other adverse environments.

**XL0891** is compatible with most metals, plastics, and elastomers and is essentially nontoxic, especially when proper hygienic practices are employed.

### ATTRIBUTES:

- Exceptionally Low Volatility
- Resists chemical Attack
- Resists Oxidation and Radiation Degradation
- Prevents Noise and Fretting Wear
- High Thermal Stability
- High Surface Tension
- Excellent Resistance to Rust and Corrosion
- Protects Precious Metals

### TYPICAL SPECIFICATIONS

Product Code: XL0891		/165
ISO Grade		N/A
Viscosity (cSt @ 40°C) (cSt @ 100°C)	(ASTM D445) (ASTM D445)	1650 23
Flash Point (°C)		327
Pour Point (°C)	(ASTM D97)	13
Density @ 25°C (g/ml)		1.20
Color		Clear/Colorless
Refractive Index @ 25°C		1.63
Surface Tension @ 104°C (dyne/cm)		54.2
Maximum Thermal Stability (°C)		450
Elastomer Compatibility [Viton; Silicone; PTFE; Buna N]	(ASTM D471)	Pass
Metals Compatibility [Steel; Copper]		Pass
Oxidation & Corrosion 315°C at 48 hrs Change in TAN Change in Viscosity @ 40°C Change in Metal Weight (mg)	(ASTM D4636)	None None 0.02 0.03 0.14 0.04 0.02



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