

ChampLub Synthetic Lubricant TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

ChampLub series synthetic reciprocating compressor lubricants are excellent crankcase and cylinder lubricants for reciprocating compressors. They possess outstanding oxidation resistance and fire resistance with an extremely high autoignition temperature (880°F). These properties, combined with a low volatility and very low carbon and varnish deposit formation rate, contribute substantially to minimizing the explosion and fire hazards in air compressors. ChampLub synthetic series products have excellent demulsibility characteristics (water separation) and decrease valve leakage. The amount of oil in downstream air systems is greatly reduced when using ChampLub synthetic series products due to their low volatility and reduced lubricant requirements. Maximum compressor life with decreased maintenance is realized because of these properties and excellent film strength, wetting ability, lubricity, and corrosion protection.

TYPICAL PROPERTIES

Viscosity, cSt, ASTM D445	ChampLub Synthetic Lubricant
@ 40°C, cSt, ASTM D445	96.4
@ 100°C, cSt	9.3
@ 100°F, SUS	509
@ 210°F, SUS	57.8
Viscosity Index ASTM D2270	62
Density, lb/gal, 60°F, ASTM D4052	7.98
Pour Point °F (°C) ASTM D97	-20 (-28.9)
Flash Point, C.O.C., °F (°C) ASTM D92	480 (249)
Fire Point, C.O.C., °F (°C) ASTM D92	530 (277)
Specific Gravity, ASTM D4052	0.96

*** These values are not intended for use in preparing specifications.**