

## **CP-4200-100**

### **PRODUCT DESCRIPTION**

CP-4200-100 product is high-temperature, oxidation-resistant, fire resistant, polyol ester synthetic lubricant suitable for air compressors, bearings, ovens, hydraulic systems, and other high temperature applications. CP-4200-100 is particularly suited for applications where the temperatures exceed 350°F and the oil is in contact with air, e.g. cylinder lubrication of reciprocating air compressors having high compression ratios of large diameter cylinders where jacket cooling is inadequate. This lubricant, with good stability, resists breakdown and prevents build-up of deposits on the hot compressor discharge valves.

In addition to good stability and fire resistance, CP-4200-100 has low volatility, resists thinning at elevated temperatures, and has excellent lubricity and film strength. This greatly reduces the quantity of lubricant which must be fed to conveyors, compressor cylinders, etc. Usage can be reduced ten-fold or more. One pint per 20,000,000 -40,000,000 sq.ft. of swept cylinder surface is usually adequate for air compressor cylinder lubrication. This is an important factor in eliminating fire and explosions in compressed air systems and for applications where it is important to minimize pollution or contamination (e.g. instrumentation).

CP-4200-100 product is also ideal for applications where the oil is exposed to elevated temperatures for extended periods of time (e.g. rotary screw air compressors). Air oven tests at 400°F show CP-4200-100 to have at least four times the life of the more conventional diester lubricants.

<b>TYPICAL PROPERTIES*</b>	<b>CP-4200-100</b>
Viscosity@40°C,cSt,ASTM D445	98.21
Viscosity @100°C,cSt	12.91
Viscosity @100°F	109.34

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Viscosity @210°F	13.26
Viscosity Index ASTM D2270	128
Density, 1b/gal, 60°F	8.10
Pour point °F (°C) ASTM D97	-5(-20)
Flash point C.O.C., °F (°C) ASTM D92	505(263)
Fire point C.O.C., °F (°C) ASTM D92	565(296)
Specific Gravity, ASTM D1298	0.973

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

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