

## **CP-4200-220**

### **PRODUCT DESCRIPTION**

CP-4200-220 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-4200-220 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 suability, resists breakdown and prevents build-up of deposits on the hot compressor discharge valves.

In addition to good stability and fire resistance, CP-4200-220 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-4200-220 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-4200-220 to have at least four times the life of the more conventional diester lubricants.

#### **TYPICAL PROPERTIES\***

#### **CP-4200-220**

Viscosity@40°C,cSt,ASTM D445	227.36
Viscosity @100°C,cSt	18.54
Viscosity @100°F	260.49

Shanghai PingYiao Trading CO., Ltd.

Adress: Xuhui District, Shanghai Caoxi Yin Hai Building, A1207 Room, No. 250

Telephone helpline: 15900706965

Website: [www.pingyiao.com](http://www.pingyiao.com)

Tel: 86-21-64705533

Fax: 86-21-64705533-209

E-mail: [info@pingyiao.com](mailto:info@pingyiao.com)

Viscosity @210°F	19.14
Viscosity Index ASTM D2270	90
Density, lb/gal, 60°F	7.99
Pour point °F (°C) ASTM D97	-27(-32.7)
Flash point C.O.C., °F (°C) ASTM D92	565(296)
Fire point C.O.C., °F (°C) ASTM D92	585(307)
Specific Gravity, ASTM D1298	0.959

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

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E-mail: [info@pingyiao.com](mailto:info@pingyiao.com)