

CP-4214-100

CP-4214 Series fluids are new technology refrigeration compressor lubricants. These proprietary fluids offer the advantages of excellent natural lubricity, excellent thermal and chemical stability with CFC refrigerants, a wide range of viscosity grades and solubility with certain refrigerants such as R-22 to very low temperatures. The availability of higher viscosity grades make these fluids an excellent choice for applications such as rotary screw compressors. A higher working viscosity allows for a better seal between rotors and provides better lubrication to bearings and seals. Good solubility at low temperatures assures lubricant return from flooded evaporators and better exchanger efficiency. Extremely low volatility provides improved lubricant / gas separation with coalescing filters.

Studies are currently in progress to examine potential energy savings in rotary screw compressors.

TYPICAL PROPERTIES*	CP-4214-100
Viscosity@40°C,cSt,ASTM D445	123
Viscosity @100°C,cSt	14.2
Viscosity @100°F	649
Viscosity @210°F	78
Viscosity Index ASTM D2270	115
Density, 1b/gal, 60°F	8.26
Pour point °F (°C) ASTM D97	-30(-35)
Flash point C.O.C., °F (°C) ASTM D92	558(292)
Fire point C.O.C., °F (°C) ASTM D92	633(333)
Specific Gravity, ASTM D1298	0.960
Total Acid No., mg KOH/g, ASTM D664	<0.2

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