

## CP-412-100

### PRODUCT DESCRIPTION

CP-412-100 is a custom blended synthetic fluid designed for use in ammonia refrigeration systems. These lubricants offer improved lubrication at high and low temperatures, reduced volatility, and compatibility with mineral oils and equipment designed for use with mineral oils.

CP-412-100 is soluble with ammonia, enhancing heat transfer in the evaporator. This solubility also improves oil return characteristics, especially in DX type evaporators. Optimum efficiency will occur at evaporator temperatures of over 10°F.

### TYPICAL PROPERTIES

### CP-412-100

Viscosity @ 77°F	236
Viscosity @ 100°F	110
Viscosity @ 210°F	12
Viscosity Index	106
Specific Gravity 25°C	0.989
Pour Point °C	-32
Density, lbs./gal	8.25
Flash Point, °F (°C)	456(236)
Four-Ball EP	
Weld Load	126 Kg
Non-Seizure Load	50 Kg
Load Wear Index	29.3
Four-Ball Wear	
ASTM D-2288 40 Kg, 1200 RPM	0.47 mm
Water, Wt, Percent	0.008
Ash, ppm	<4
Refractive Index, 25°C	1.4666
Thermal Conductivity	
BTU/hr. ft <sup>2</sup> (°F /ft)	
100°F	0.093
200°F	0.092
Spccific Heat, BTU/lb. °F	
100°F	0.50
200°F	0.53
Dielectric Strength	37.8 kV

Shanghai PingYiao Trading CO., Ltd.

Tel: 86-21-64705533

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

Telephone helpline: 15900706965

Fax: 86-21-64705533-209

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

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

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

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