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## CG-POE-100 Refrigeration Polyolester Oil ISO 100

CG-POE-100 is a polyol ester (POE) lubricant that provides unsurpassed performance in HFC refrigeration applications. This advanced formulation provides superior protection for HFC refrigeration systems, exceptional chemical and thermal stability, and a very long service life.

CG-POE-100 utilizes a proprietary combination of advanced friction modifiers and anti-wear additives that bond to metal surfaces inside the compressor. This combination creates an extra layer of protection and lubrication that dramatically reduces friction and wear, resulting in increased compressor efficiency, energy savings and extended compressor life.

## **ATTRIBUTES**

- · Controls carbon and varnish to help reduce deposits
- · Excellent solubility in HFC and blended refrigerants
- · High viscosity index for better compressor protection at elevated temperatures
- · Maintains fluidity in low temperatures
- · High flash and auto-ignition points for added safety
- · Outstanding film strength and anti-wear properties
- · Long oil life, allowing for extended oil-drain intervals
- · Controls rust for enhanced component protection

## **TYPICAL LUBRICANT PROPERTIES**

| CG-POE-100 Grades      | 32        | 46        | 55        | 68        |
|------------------------|-----------|-----------|-----------|-----------|
| SUS Viscosity Grade    | 150       | 200       | 250       | 300       |
| Viscosity Index        | 180       | 193       | 160       | 163       |
| Viscosity cSt @ 40°C   | 32.5      | 45        | 55        | 66.4      |
| Viscosity cSt @ 100°C  | 6.9       | 9.2       | 9.6       | 11.2      |
| Flash Point °C(°F)     | 500 (260) | 572 (293) | 573 (300) | 574 (300) |
| Pour Point °F (°C)     | -63 (-53) | -58 (-50) | -56 (-48) | -41 (-41) |
| Copper Corrosion 24 Hr | 1a        | 1a        | 1s        | 1a        |

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The information on Chemicals Global and competitive products provided should only be used as a general guide. Lubricant properties are typical results and should not serve as a sole resource for determining the correct lubricant for a particular application. Please consult a Chemicals Global representative to ensure that the product is the correct choice for the application.