

# Emkarate® RL 220H Plus

## Typical Properties Data Sheet



### Description

**Emkarate® RL 220H Plus** is an ISO VG 220 synthetic polyol ester (POE) lubricant formulated specifically for use in refrigeration and air-conditioning compressors using HFC refrigerants. This product provides effective wear protection for steel and aluminum surfaces for increased system life and improved efficiency and is suitable for both initial fill and service fill. The combination of low temperature characteristics and unparalleled chemical and thermal stability enable the use of **Emkarate® RL 220H Plus** over a wide operating temperature range.

| Analysis                | Method     | Typical Value |
|-------------------------|------------|---------------|
| Viscosity @ 40°C (cSt)  | ASTM D445  | 220           |
| Viscosity @ 100°C (cSt) | ASTM D445  | 19.0          |
| Viscosity Index         | ASTM D2270 | 97            |
| Pour Point (°C)         | ASTM D97   | -30           |
| Density @ 20°C (g/ml)   | ASTM D1298 | 0.980         |
| Flash Point COC (°C)    | ASTM D92   | 300           |
| Acid Value (mg KOH/g)   | ASTM D974  | <0.05         |

\*These values are not intended for use in preparing specifications. Additional technical information such as water content is available upon request.

**CPI Fluid Engineering**  
www.cpifluideng.com



**North and South America**  
The Lubrizol Corporation  
2300 James Savage Road  
Midland, MI 48642, USA

Telephone: 1 (989) 496-3780  
Email: sales@cpifluideng.com

#### Europe, Middle East and Africa

Lubrizol Limited  
Pavilion One, Belasis Court  
Greenwood Road  
Stockton-on-Tees  
TS23 4AZ, UK

Telephone: +44 1642 565266  
Email: euafricamesales@cpifluideng.com

#### Asia-Pacific

Lubrizol Southeast Asia (Pte) Ltd  
44 Tanjung Penjuru  
Singapore 609032

Telephone: + 65-66638 684  
Email: asiasales@cpifluideng.com

