

# Emkarate® RL 68H

## Refrigeration Compressor Lubricant



### Description

**Emkarate® RL 68H** is an ISO VG 68 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, unparalleled chemical and thermal stability enable the use of **Emkarate® RL 68H** over a wide operating temperature range.

### Typical Properties\*

Analysis	Method	Typical Value
Viscosity @ 40°C, cSt.	ASTM D445	68.6
Viscosity @ 100°C, cSt.	ASTM D445	9.5
Viscosity Index	ASTM D2270	118
Density @ 20°C, g/ml	ASTM D4052	0.9775
Flash Point, °C	ASTM D92	280
Fire Point, °C	ASTM D92	284
Pour Point, °C	ASTM D5950	-45
Total Acid Number, mgKOH/g	ASTM D974	0.03
Color	ASTM D1500	0.2
Water, ppm	ASTM D6304	<50

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

**CPI Fluid Engineering**  
www.CPIFluidEngineering.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  
H224, Wilton Center  
Wilton  
Redcar  
TS10 4RF, UK  
  
Telephone: +44 1642 565266  
Email: euafricamesales@cpifluideng.com

**Asia-Pacific**  
Lubrizol Southeast Asia (Pte) Ltd  
44 Tanjung Penjuru  
Singapore 609032  
  
Telephone: +65 6663 8684  
Email: asiasales@cpifluideng.com

