

Emkarate[®] RL46H

Typical Properties Data Sheet

Product Description:

Emkarate RL46H is an ISO VG 46 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 RL46H over a wide operating temperature range.

Analysis	Method	Typical Value
Viscosity @ 40°C (cSt)	ASTM D445	46.8
Viscosity @ 100°C (cSt)	ASTM D445	7.3
Viscosity Index	ASTM D2270	118
Pour Point (°C)	ASTM D97	-48
Density @ 20°C (g/ml)	ASTM D1298	0.978
Flash Point COC (°C)	ASTM D92	260
Acid Value (mg KOH/g)	ASTM D974	0.03
Colour (Hazen units)	ISO 2211	70
Water (ppm)	ASTM D6304	40
Miscibility (Low °C) 10% Lube in R134a	In House	-34
Miscibility (High °C) 10% Lube in R134a	In House	>80
Hydroxyl Value (mg KOH/g)	ASTM E326	4

**These values are not intended for use in preparing specifications.
Additional technical information is available upon request.*

North & South America

The Lubrizol Corporation
2300 James Savage Rd.
Midland, MI 48642, USA
Phone: 989-496-3780
Email: sales@cpifluideng.com

Europe, Middle East & Africa

Lubrizol Limited
Pavilion One, Belasis Court
Greenwood Road
Stockton-on-Tees
TS23 4AZ, UK
Phone: +44 1642 565266
Email: euafricamesales@cpifluideng.com

Asia-Pacific

Lubrizol Southeast Asia (Pte) Ltd
44 Tanjung Penjuru
Singapore 609032
Phone: +65-66638 684
Email: asiasales@cpifluideng.com