

# EVEREST® 46

## Synthetic Refrigeration Lubricant

### DESCRIPTION

**EVEREST® 46** is a formulated ISO 46 grade synthetic polyol ester refrigeration lubricant compatible with HFC refrigerants, including R-134a, R-404A, R-407C and R-410A.

### FEATURES & BENEFITS:

- Compatible with HCFC & HFC refrigerants
- Suitable for use with R-134a, R-404A, R-407C, R-410A and R-22 retrofit blends such as R-417, R-422A, R-422D and R-427

### APPLICATIONS:

Reciprocating, rotary, scroll, centrifugal/screw refrigeration compressors

### SPECIFICATION PROPERTIES OF EVEREST® 46

PROPERTY	SPECIFICATIONS	METHOD
<b>Appearance</b>	Bright and Clear Liquid	Visual
<b>Kinematic Viscosity @ 100 °C, cSt</b>	6.5 - 7.3	ASTM D-445
<b>@ 40 °C, cSt</b>	42.8 - 49.2	ASTM D-445
<b>Pour Point, °C</b>	-42 max	ASTM D-5950
<b>Density @ 15.6°C, lbs./gal</b>	8.08 - 8.18	ASTM D-4052
<b>Total Acid Number, mg KOH/g</b>	0.10 max	ASTM D-974 mod
<b>Water, ppm</b>	50 max	ASTM D-1533
<b>ASTM Color</b>	0.5 max	ASTM D-1500



## TYPICAL PROPERTIES OF EVEREST® 46

PROPERTY	TYPICAL INSPECTIONS	METHOD
<b>Kinematic Viscosity @ 100 °C, cSt</b>	6.9	ASTM D-445
<b>@ 40 °C, cSt</b>	46.2	ASTM D-445
<b>Viscosity Index</b>	105	ASTM D-2270
<b>Total Acid Number, mg KOH/g</b>	0.01	ASTM D-974 mod
<b>Flash Point, °C</b>	258	ASTM D-92
<b>Pour Point, °C</b>	-46	ASTM D-5950
<b>Specific Gravity, 15.6 °C/15.6 °C</b>	0.976	ASTM D-4052
<b>Density @ 15.6 °C, lbs/gal</b>	8.13	ASTM D-4052
<b>Water, ppm</b>	25	ASTM D-1533
<b>Low Temperature Miscibility Limit (10 Vol % lubricant in refrigerant, °C)</b>		Sealed Tube
<b>R-134a</b>	< -50	
<b>R-404A</b>	< -60	
<b>R-407C</b>	< -35	
<b>R-410A</b>	< -40	



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