

EVEREST® 170

Synthetic Refrigeration Lubricant

DESCRIPTION

EVEREST® 170 is a fully formulated ISO 170 grade synthetic polyol ester refrigeration lubricant that is compatible with HFC refrigerants, including R-134a, R-404A and R-407C.

APPLICATIONS:

Reciprocating, rotary, scroll and centrifugal/screw refrigeration compressors

FEATURES & BENEFITS:

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

SPECIFICATION PROPERTIES OF EVEREST® 170

PROPERTY	SPECIFICATIONS	METHOD
Appearance	Bright and Clear Liquid	Visual
Kinematic Viscosity @ 100 °C, cSt	14.5 - 16.5	ASTM D-445
@ 40 °C, cSt	160 - 180	ASTM D-445
Pour Point, °C	-15 max	ASTM D-5950
Density @ 15.6°C, lbs./gal	8.02 - 8.12	ASTM D-4052
Total Acid Number, mg KOH/g	0.10 max	ASTM D-974 mod
Water, ppm	50 max	ASTM D-1533
ASTM Color	0.5 max	ASTM D-1500



TYPICAL PROPERTIES OF EVEREST® 170

PROPERTY	TYPICAL INSPECTIONS	METHOD
Kinematic Viscosity @ 100 °C, cSt	15.3	ASTM D-445
@ 40 °C, cSt	168	ASTM D-445
Viscosity Index	91	ASTM D-2270
Total Acid Number, mg KOH/g	0.05	ASTM D-974 mod
Flash Point, °C	279	ASTM D-92
Pour Point, °C	-24	ASTM D-5950
Specific Gravity, 15.6 °C/15.6 °C	0.969	ASTM D-4052
Density @ 15.6 °C, lbs/gal	8.07	ASTM D-4052
Water, ppm	25	ASTM D-1533
Low Temperature Miscibility Limit (10 Vol % lubricant in refrigerant, °C)		Sealed Tube
R-134a	< -20	
R-404A	< -50	
R-407C	-18	



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