

# EVEREST® 32

## Synthetic Refrigeration Lubricant

### DESCRIPTION

**EVEREST® 32** is a formulated ISO 32 grade synthetic polyol ester refrigeration lubricant compatible with HFC refrigerants, including R-134a, R-404A, R-407C and R-410A.

### APPLICATIONS:

Reciprocating, rotary and scroll refrigeration compressors.

### 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

### SPECIFICATION PROPERTIES OF EVEREST® 32

| PROPERTY                                 | SPECIFICATIONS          | METHOD         |
|--|-------------------------|----------------|
| <b>Appearance</b>                        | Bright and Clear Liquid | Visual         |
| <b>Kinematic Viscosity @ 100 °C, cSt</b> | 5.2 - 5.8               | ASTM D-445     |
| <b>@ 40 °C, cSt</b>                      | 29.7 - 34.2             | ASTM D-445     |
| <b>Pour Point, °C</b>                    | -48 max                 | ASTM D-5950    |
| <b>Density @ 15.6°C, lbs./gal</b>        | 8.15 - 8.25             | 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® 32**

| PROPERTY   | TYPICAL INSPECTIONS | METHOD         |
|--|---------------------|----------------|
| <b>Kinematic Viscosity<br/>@ 100 °C, cSt</b>   | 31.6                | ASTM D-445     |
| <b>@ 40 °C, cSt</b>  | 5.6                 | ASTM D-445     |
| <b>Viscosity Index</b>   | 115                 | ASTM D-2270    |
| <b>Total Acid Number, mg KOH/g</b>   | 0.02                | ASTM D-974 mod |
| <b>Flash Point, °C</b>   | 250                 | ASTM D-92      |
| <b>Pour Point, °C</b>  | -55                 | ASTM D-5950    |
| <b>Specific Gravity, 15.6 °C/15.6 °C</b>   | 0.985               | ASTM D-4052    |
| <b>Density @ 15.6 °C, lbs/gal</b>  | 8.20                | ASTM D-4052    |
| <b>Water, ppm</b>  | 25                  | ASTM D-1533    |
| <b>Low Temperature Miscibility Limit<br/>(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>  | < -45               |                |



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