



Capella® HFC

Description

Capella® HFC is a premium-grade, fully synthetic oil for the lubrication of compressors used in refrigeration and air conditioning systems. Capella HFC is blended exclusively with specially selected polyolesters. It has a high viscosity index ensuring a good lubricity over a wide temperature range.

Typical Characteristics

| ISO Viscosity Grade | 32 | 55 | 100 |
|------------------------------------------------|--------|--------|--------|
| Code | 030248 | 046318 | 036315 |
| Density at 15°C, kg/l | 1.00 | 1.01 | 1.00 |
| Flash point, COC, °C | 245 | 275 | 290 |
| Pour point, °C | -48 | -45 | -42 |
| Viscosity, kinematic, mm ² /s (cSt) | | | |
| at 40°C | 32.0 | 55.0 | 100.0 |
| at 100°C | 6.0 | 9.1 | 11.9 |
| Viscosity index | 135 | 145 | 108 |

Recommended Uses

Capella HFC is recommended for use in refrigeration compressors using the new generation of HFC refrigerants such as R134a, R404a, R507, etc. As Capella HFC is sensitive to humidity, packaging must be kept closed and stored in a dry environment. Capella HFC has been recognized by major worldwide compressor manufacturers including Bitzer, Bock, Carrier, Danfoss, Dorin, Electrolux, Embraco/Aspera, Frigopol, Gram, Grasso, Maneurop, Sabroe, ABB Stal and Sulzer.

Performance Benefits

1. Oxidation Stability

Resists oxidation at high temperatures, guaranteeing a long service life.

2. Detergent Properties

Demonstrated excellent compressor cleanliness as well as a complete absence of copper transfer in numerous compressor tests.

3. Thermal and Chemical Stability

Provides excellent thermal and chemical stability in the presence of the new environmentally safe hydrofluorocarbon (HFC) refrigerants.

4. Miscibility

Exhibits excellent oil-refrigerant miscibility properties with HFC-refrigerants over a wide range of operating temperatures.

5. Lubricity

Provides excellent lubricity, even in the presence of refrigerants.