



INDUSTRIAL COMET SYNPOE



DESCRIPTION

COMET SYNPOE 68 is based on synthetic polyol esters (POE) formulated for performance in refrigeration and air conditioning compressors using HFC, CFC or HCFC refrigerants. It is chemically and thermally stable for cleaner operating performance and provides wear protection for steel or aluminium surfaces for longer system life and system efficiency.

APPLICATIONS

COMET SYNPOE is mainly intended for the lubrication of refrigeration compressors running with HFC type of coolant (R134a, R404A R407C, R410A, R507, R23 etc...). It is miscible over the required broad temperature ranges found in appliance or commercial/industrial systems such as air conditioning systems, room air conditioning, cargo refrigeration systems etc.

CHARACTERISTICS-BENEFITS

| CHARACTERISTICS | BENEFITS |
|---|---|
| No wax at low- and ultra-low temperature applications. | Prevents the blockage of expansion valves, capillary tubes or oil return orifices by waxy deposits created in the low temperature areas |
| High lubrication film strength. | Effective compressor lubrication. |
| Good miscibility and solubility with refrigeration medium | Satisfactory oil return to the compressor in low temperature side of the system. |
| Excellent chemical and thermal stability | Resistance to refrigerant decomposition. Prevents the build up of sludge and deposits |

PHYSICAL-CHEMICAL CHARACTERISTICS

| COMET SYNPOE | METHOD | ISO 68 |
|------------------------------------|-------------|--------|
| Density at 15°C, g/cm ³ | ASTM D1298 | 0,964 |
| Viscosity, Kinematic, (cSt) 40 °C | ASTM D445 | 68 |
| Viscosity, Kinematic, (cSt) 100 °C | ASTM D445 | 9.1 |
| TAN ,mgr KOH/gr | ASTM D943 | 0,03 |
| Flash point, COC, °C | ASTM D92 | 260 |
| Pour point, C | ASTM D97 | -48 |
| Water content ,ppm | ASTM D1533B | <50 |
| Density at 15°C, g/cm ³ | ASTM D1298 | 0,964 |

The above mentioned characteristics represent mean values.

SPECIFICATIONS

DIN 51503 KD, ISO 6743-3 (ISO-L-DRD)
Meets: Bock, Howden, York, Grasson