Product Data

Aircol 2294

Synthetic refrigeration compressor lubricant

Description

Castrol Aircol™ 2294 is a synthetic refrigeration oil formulated from selected polyalphaolefin base fluids.

Application

Aircol 2294 is specifically designed for refrigeration systems using screw type compressors in conjunction with very low evaporation temperatures. Aircol 2294 may also be specified for certain systems using reciprocating compressors with high compression ratios and high discharge temperatures.
The very low pour point enables Aircol 2294 to be used in systems where evaporator temperatures are extremely low. However because of low miscibility with R22, Aircol 2294 is not suitable for use in refrigeration systems using flooded evaporators, unless efficient oil separators or some other method of oil recovery is provided.

Advantages

• Low miscibility and solubility with R22 - gives significant advantages in screw type compressors where refrigerant absorption can reduce lubricant viscosity to unacceptably low levels and adversely affect volumetric efficiency.
• Very low Pour Points - allows the use in refrigeration systems with extremely low evaporator temperatures.

Typical Characteristics

Name	Method	Units	Aircol 2294
Appearance	Visual	-	Clear liquid
Density @ 20°C / 68°F	ISO 12185 / ASTM D4052	kg/m³	835
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm²/s	68
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm²/s	10.7
Viscosity Index	ISO 2909 / ASTM D2270	-	147
Pour Point	ISO 3016 / ASTM D97	°C/°F	-50/-68
Flash Point - closed cup method	ISO 2719 / ASTM D93	°C/°F	235/455

Subject to usual manufacturing tolerances.

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Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

http://msdspds.castrol.com