



Aircol 229 Range

Synthetic refrigeration compressor lubricant

Description

The Castrol Aircol 229 range of synthetic refrigeration oils are formulated from selected polyalphaolefin base fluids.

Application

The Aircol 229 range are specifically designed for use in refrigeration systems using screw type compressors combined with very low evaporator temperatures. They may also be specified for certain systems using reciprocating compressors with high compression ratios and discharge temperatures.

The very low pour points enable the Aircol 229 range to be used in systems where evaporator temperatures are extremely low.

However because of their low miscibility with R22 the Aircol 229 range are not suitable for use in refrigeration systems using flooded evaporators, unless efficient oil separators or some other method of oil recovery is provided.

Features and Benefits

The Aircol 229 range is designed to have low miscibility and solubility with R22. This characteristic gives significant advantages in screw type compressors where refrigerant absorption can adversely affect volumetric efficiency and reduce lubricant viscosity to unacceptably low levels.

Technical Data

Name	Method	Units	Aircol 2294	Aircol 2295
Relative Density at 20°C	ASTM D4052	g/ml	0.835	0.841
Kinematic Viscosity at 40°C	ASTM D445	mm ² /s	68	220
Kinematic Viscosity at 100°C	ASTM D445	mm ² /s	10.7	25.1
Pour Point	ASTM D97	°C	-45	-40
Closed Flash Point	ASTM D93	°C	233	243

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

Care and Handling

Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

Packaging and Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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