



Aircol HC

Refrigeration Lubricants

Description

Castrol Aircol™ HC range of refrigeration lubricants, have good chemical and thermal stability, with excellent low temperature characteristics and low wax-forming tendency. The range is formulated with an ashless additive system for enhanced anti-wear properties.

Application

The Aircol HC range of naphthenic mineral based lubricants are specifically designed for use in hydrocarbon refrigeration systems. The antiwear performance of traditional mineral refrigeration lubricants was significantly enhanced when combined with CFC (chlorine containing) refrigerants. In today's refrigeration systems where chlorine is no longer used, the lubricant must be enhanced to provide additional antiwear performance. Aircol HC contains ashless antiwear additives (at low treat rates) which significantly enhance the antiwear performance of the base lubricant.

Advantages

- Low temperature performance
- Excellent antiwear performance
- Compatible with hydrocarbon refrigeration systems.
- Low wax forming

Typical Characteristics

Name	Method	Units	HC 7	HC 10
Appearance	Visual	-	Clear pale-yellow	Clear pale-yellow
Density @ 20°C / 68°F	ISO 12185 / ASTM D4052	kg/m ³	0.84	0.89
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D 445	mm ² /s	7.0	9.8
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D 445	mm ² /s	2.2	2.3
Viscosity Index	ISO 2909 / ASTM D2270	-	97	30
Flash Point - open cup method	ISO 2592 / ASTM D92	°C	>140	>140
Water Content	ISO 6296 / ASTM D1744	ppm	25	25
Miscibility with R600a (°C)	Castrol internal	°C	-70	-75
Acid Number, Total (Potentiometric)	ISO 6619 / ASTM D664	mg KOH/g	0.015	0.015
Pour Point	ISO 3016 / ASTM D97	°C	-45	-45
Colour	ASTM D1500	-	L0.5	L0.5
4 ball test MWSD (30Kg for 1 hour) Weld Point Initial Seizure Load	ASTM D2783	mm kg kg	0.88 80 32	0.717 110 40

Subject to usual manufacturing tolerances.

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