



Product Data

Aircol SW Range

Synthetic refrigeration compressor lubricant

Description

The Castrol Aircol™ SW range of synthetic refrigeration lubricants are formulated from polyolester base stocks.

Application

They are specifically designed for use with refrigeration systems using environmentally friendly HFC refrigerants, in particular R134a.

Advantages

The synthetic base stocks used in the Aircol SW range are fully miscible with HFCs, in particular R134a, even at temperatures well below the minimum likely to be encountered in service.

The Aircol SW grades have been formulated to enhance hydrolytic stability, load carrying and inhibition against copper plating. They are wax free and hence have very low pour points. This ensures the evaporator remains clean (consequent efficient heat transfer) and reduces the risk of pipe blockages.

Typical Characteristics

Name	Method	Units	SW 32	SW 46	SW 68	SW 100	SW 170	SW 220
Density @ 20°C / 68°F	ISO 12185 / ASTM D4052	kg/m ³	977	980	980	969	968	975
Base Oil Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	32	46	68	100	170	220
Base Oil Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	5.4	6.9	8.5	11.4	17	19
Pour Point	ISO 3016 / ASTM D97	°C/°F	-46/-50.8	-42/ -43.6	-39/ -38.2	-30/-22	- 27/ -16.6	- 27/ -16.6
Flash Point - closed cup method	ISO 2719 / ASTM D93	°C/°F	233/ 451.4	235/455	245/473	235/ 455	235/455	250/482

Subject to usual manufacturing tolerances.

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28 Jul 2020

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Castrol (UK) Limited, PO BOX 352, Chertsey Road, Sunbury On Thames, Middlesex, TW16 9AW

Orders/Enquiries: 0345 9645111 Technical Enquiries: 0345 082 1719

www.castrol.com/industrial