



AIRCOL SW Range

Synthetic Refrigeration Compressor Lubricant

Description

The Aircol SW series are a range of synthetic refrigeration lubricants formulated from polyolester base stocks.

Application

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

Features / Benefits

- 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.
- 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 (consequently efficient heat transfer) and reduces the risk of pipe blockages.

Technical Data

Name	Method	Units	Aircol SW 32	Aircol SW 46	Aircol SW 68	Aircol SW 100	Aircol SW 220
Density @ 20°C	ASTM D1298	g/ml	0.977	0.980	0.980	0.969	0.975
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	32	46	68	100	220
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	5.4	6.9	8.5	11.4	19.3
Pour Point	ASTM D97	°C	-46	- 42	-39	- 30	- 26
Closed Flash Point	ASTM D93	°C	233	235	245	235	235

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 60C, exposed to hot sun or freezing conditions.

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

www.castrolmarine.com