



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.

Features and 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.

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.

Technical Data

| Name | Method | Units | Aircol SW 32 | Aircol SW 46 | Aircol SW 68 | Aircol SW 100 | Aircol SW 170 | Aircol SW 220 |
|------------------------------|------------|--------------------|--------------|--------------|--------------|---------------|---------------|---------------|
| Density at 20°C | ASTM D1298 | g/ml | 0.977 | 0.98 | 0.98 | 0.969 | 0.968 | 0.975 |
| Kinematic Viscosity at 40°C | ASTM D445 | mm ² /s | 32 | 46 | 68 | 100 | 170 | 220 |
| Kinematic Viscosity at 100°C | ASTM D445 | mm ² /s | 5.4 | 6.9 | 8.5 | 11.4 | 17 | 19 |
| Pour Point | ASTM D97 | °C | -46 | -42 | -39 | -30 | -27 | -27 |
| Closed Flash Point | ASTM D93 | °C | 233 | 235 | 245 | 235 | 235 | 250 |

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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