RENISO PAG 1234

Refrigeration Oil for HFO-1234yf Mobile Air-Conditioning (MAC) Systems

Based on special polyalkylene glycols (PAG) with enhanced refrigerant miscibility behaviour. Contains special additives for increased chemical stability and wear protection.

Technical data sheet

Typical technical data:

Properties	Unit		Test Method
Density at 15℃	kg/m ^{3}	994	DIN 51 757
Kinematic viscosity at 40℃ at 100℃	 mm^2/s mm^2/s	 41.8 9.2	DIN EN ISO 3104
Viscosity index (VI)	-	210	DIN ISO 2909
Neutralization number	mgKOH/g	< 0.1	DIN 51 558
Flashpoint, COC	℃	> 180	DIN ISO 2592
Pour point	℃	-52	DIN ISO 3016
Water content	ppm	300	DIN 51 777-2
Sealed tube test 336 h / 175℃ / Fe + Cu + Al strip added TAN after testing appearance oil after testing appearance Fe strip after testing appearance Cu strip after testing appearance Al strip after testing	 mgKOH/g - - - -	 < 0.2 only minimal discoloration no change, no deposits no change, no deposits no change, no deposits	modified ASHRAE 97-1999

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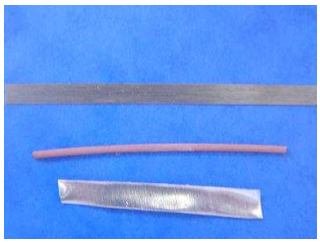
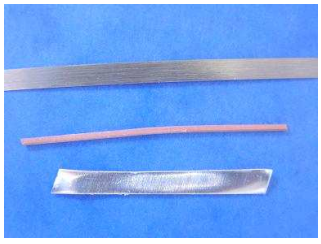
Thermal and chemical stability: Sealed Tube Test – modified ASHRAE 97-1999

Test conditions:
336 h / 175℃ / Fe + Cu + Al strip added

Test results:

Oil / refrigerant mixture:
→ only minimal discoloration





Metal coupons:
→ no deposits

Before testing **After testing**

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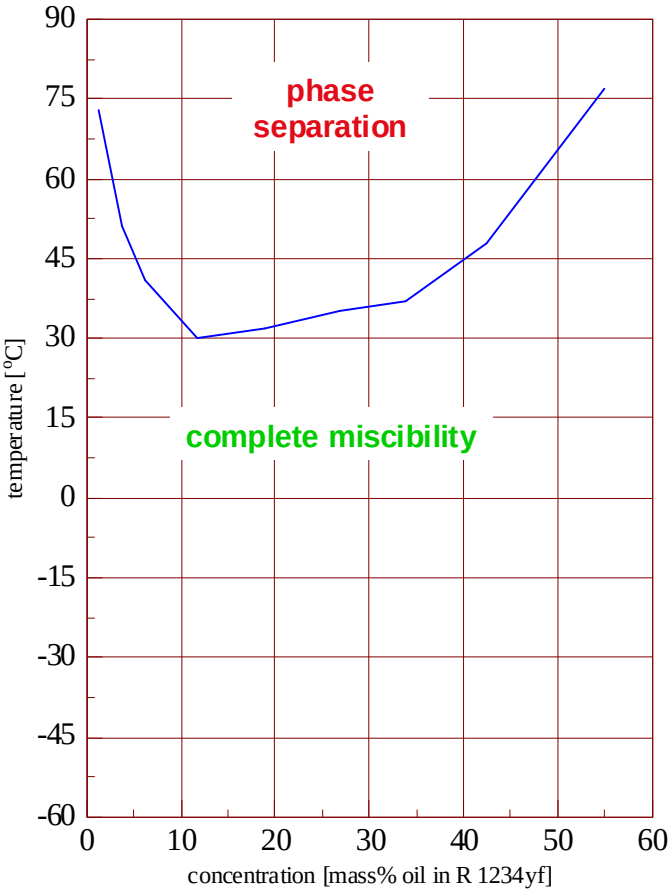
Miscibility behaviour: RENISO PAG 1234 / HFO-1234yf mixture



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We therefore recommend that you consult a FUCHS EUROPE SCHMIERSTOFFE GMBH application engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

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