Product information

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PAG Air Conditioning Oil 100



Description

Fully synthetic, polyalkylene glycol (PAG)-based oil which is used for the lubrication, sealing and cooling of refrigerant compressors or refrigerant circuits in passenger or commercial vehicle air conditioning systems. It has been formulated so that it can be mixed with type R134a refrigerants and is therefore outstandingly suitable for this purpose. The oil is hygroscopic and absorbs moisture from the ambient air; it is therefore filled under nitrogen. It meets the requirements of standard refrigerant compressor and refrigeration system manufacturers. Leaks can be detected quickly using a UV lamp thanks to the yellow fluorescent color.

Properties

- miscible with type R134a refrigerant
- fully synthetic
- hygroscopic
- outstanding lubricating action
- fluorescent
- outstanding corrosion protection
- excellent wear resistance

Technical data

ISO viscosity class	ISO 100 ISO 3448
Color / appearance	liquid, yellow
Viscosity at 40 °C	100 mm²/s ASTM D 445
Water soluble	insoluble in water
Density at 20 °C	0,99 g/ml
Wear-test, 4-ball apparatus	0,458 mm ASTM D4172
Viscosity index	199
Pour point	- 49 °C
Shelf life in original sealed container	36 months
Flash point	> 220 °C COC-ASTM D92

Areas of application

The oil is used to wet the seals of refrigerant circuits before installation as well as to supplement the refrigerant oil used in the workshop during repairs. It is also used when refilling the air conditioning systems of passenger and commercial vehicles using refrigerant type R134a.

Application

To wet seals during assembly, apply the oil with a brush to ensure that the system is well sealed. To top up or replace the refrigerant oil in passenger or commercial vehicle air conditioning systems, it is poured into the special filling cylinder and then added to the refrigerant circuit via the air conditioning system filling device. If there is a leak in the refrigerant circuit, the refrigerant lines of the vehicle can be examined using a UV lamp in a dark room. The UV light will render the yellow fluorescent color in the PAG oil escaping at the leak visible.

Note:

After use, always reseal the oil to prevent it from absorbing moisture from the ambient air. PAG air conditioning oils must not be mixed or disposed of with waste oil of known origin, e.g. motor and transmission oils. PAG air conditioning oils must be collected separately and disposed of in accordance with the waste code (see safety data sheet).

Available pack sizes

250 ml Can sheet metal	4089 DE-EN-ES-IT-PT

Our information is based on thorough research and may be considered reliable, although not legally binding.

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