



R134a PAG

PAG Lubricants for Vehicles A/C Systems with R134a

PAG lubricants have been developed for automotive applications, specially with the use of R134a refrigerant gas. Errecom PAG oils are a mixture of polyalkylene glycols and additives specially formulated to achieve a better lubricity, chemical and thermal stability as well as an excellent anti-wear protection of the AC/R system components.

The pursued aims in the development of new ERRECOM lubricants are:

- Excellent Lubricant ability
- Hydrolytic stability
- High Compatibility with the materials of all kind of systems, both new and old ones (with a constant attention to their evolution over the time)
- Excellent properties at low temperature
- Low toxicity and high biodegradability level, always following our green philosophy precepts
- Reduced hygroscopicity and additive anti humidity
- High thermal stability to oxidation
- High solubility performances with refrigerants
- Optimal miscibility with refrigerants

Method and reference unit	R134a PAG Universal	R134a PAG 46	R134a PAG 100	R134a PAG 125	R134a PAG 150	Reference Method
ISO VG	68	46	100	125	150	
Kinematic viscosity @ 40°C (cSt)	68	46	100	125	150	ASTM-D445
Kinematic viscosity @ 100°C (cSt)	12,4	8,6	19	21	25	ASTM-D445
Kinematic index	181	184	212	199	200	ASTM-D2270
Pour point (°C)	-40	-43	-40	-42	-40	ASTM-D 97
Flash point (°C)	215	226	230	215	230	ASTM-D 92
Density @ 15°C (g/cm³)	0,992	0,986	0,993	1,000	1,005	ASTM-D4052
Humidity content (ppm)	20	20	20	20	20	ASTM-D1064
Total acidity (mg KOH/g)	0,02	0,02	0,02	0,02	0,02	ASTM-D 974
Color (APHA)	16	12	18	18	18	ASTM-D1209
Capping efficiency (%)	95	95	95	95	95	IM

It is suggested a dosage as close as possible to the quantity needed. For the biggest formats, it is recommended to quickly close the container and keep it in a cool and dry place in order to avoid the formation of moisture. Keep the product between -40 ° C and + 60 ° C. Do not expose to sunlight.

