



Lubricants Premium PAG

PAG Lubricants for Vehicles A/C Systems with R12, R134a, R1234yf and Electric Compressors

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 | PREMIUM PAG | PREMIUM PAG 46 | PREMIUM PAG 100 | PREMIUM PAG 125 | PREMIUM 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) | 300 | 300 | 300 | 300 | 300 | ASTM-E 1064 |
| 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.

