DAPHNE HERMETIC PAG PR LUBRICANT FULL SYNTHETIC

The Apollo Daphne Hermetic Polyalkylene Glycol (PAG) Series are synthetic lubricants uniquely formulated to provide unsurpassed lubricity, wear protection, and proper miscibility with ozone-friendly refrigerants, as well as R-12 in the case of retrofits.

This formulation has been engineered to provide additional protection for wobble, rotary vane, swash plate, and scroll type automotive compressor and air conditioning systems where CFC (R-12) and HFC (R134a) refrigerants are used.

- Designed to last the lifetime of the compressor
- Excellent chemical, thermal, and hydrolytic stability
- Unsurpassed lubricity for better wear protection
- High Viscosity index provides wide temperature range performance
- Used by 80% of the world's initial fill oil to OEMs and Vehicle manufacturers

Application:

- Worldwide push towards protection of the ozone layer and reduction of CFCs. OEM and Suppliers using R134a as refrigerant of choice.
- Daphne Hermetic PAG has a Double End-Capped molecular structure which provides better chemical stability than ordinary single end capped PAG. The double end capped Daphne Hermetic PAG is chemically inactive; very tolerant of high temperatures, and will not react to form harmful acids.
- Single End-Capped PAG is chemically active.
- HFC Refrigerants are not compatible with traditional mineral oil, synthetic lubricants (i.e. PAG oils) are necessary
- Ester Oil (POE) components are organic acid and alcohol; which when exposed to high heat and moisture may result in hydrolysis and damaging acids.
- Fully compatible with other PAG lubricants

  Not compatible with mineral oil, ester oil (POE), or POA's

Properties Comparison	Ester Oil	Single End Capped; Ordinary PAG	Daphne Hermetic PAG
Miscibility: HFG-134a or HFC-12	B	B	B
Thermal Stability	B	B	B
Chemical Stability	C	C	B
Hydrolytic Stability	C	B	A
Oxidation Stability	B	C	A
Viscosity Temperature Characteristics	B	B	A
Fluidity at Low Temperatures	C	B	A
Lubricity: Anti-wear	C	C	B
Lubricity: Anti-Seizure	C	C	B

Note: A=Best, B=Better, C=Good

Characteristics:

ISO Viscosity Grade		100
Density	@ 15ºC	1.027
Pour Point	(ºC)	< -40
Flash Point	(ºC)	244
Viscosity	@40º C	99.0 cSt
	@100ºC	19.6 cSt
Viscosity Index:		222

Packaging:

Net 250cc

Apollo America Corporation

2000 Town Center; Suite 1450 * Southfield, MI 48075 * (248) 355-0666 * dtrsales@apolloamerica.com