



**THE LAST  
COMPRESSOR  
OIL YOU'LL  
EVER BUY**

**PAOIL AUSTRALIA**

**AUTOMOTIVE AA1**  
COMPRESSOR LUBRICANT ISO GRADE 68  
NON HAZARDOUS

*Features:*

- Compatible with all refrigerants & refrigerant oils
- Class 4 Synthetic Oil
- Reduced wear
- Non hygroscopic
- Low miscibility
- Energy saving
- High and low temperature viscosity retention
- **Operating range -68°C to +315°C**

**1 LITRE**

Batch No. 15ZD16T1098

9 329279 000049

The Refrigerant Oil Company Pty Ltd  
Tel: +61 3 9338 7522 Fax: +61 3 9338 7811  
enquiries@rocoil.com www.rocoil.com

Quality System  
Quality Endorsed Company  
ISO 9001:2008



# ONE OIL

# ALL CARS

## Simply a better oil

PAOil is a fully synthetic oil, carefully blended to be a superior compressor oil. It is so good that it can be used in ALL automotive compressors, whatever the brand. It's a non-aggressive, safe oil that won't effect seals or hoses and is compatible with other lubricants. And it's non-hygroscopic.

*In a nut shell it's the last oil you ever need to buy!*

PAOil is a Polyalpha Olefin, NOT a PAG or an Esther. PAOil is the result of 15 years of research and development. The research succeeded in developing a range of lubricants that not only solve the common operating difficulties of refrigeration equipment, but also complying with the new environmental protocols set in place by the 1987 Montreal Protocol.

Our product range is now being exported to over 45 countries worldwide. In Europe the German Automotive Company "Hella" are our distributors servicing over 37 countries alone. We are now making initial sales into the United States.



PAOil is a synthetic base with performance additives



PAOil is careful designed and blended



One long life bottle is all you need



No need for different types of oil

## Makes you money

Because PAOil is a better made oil it actually saves you money. And in more ways than one.

No longer do you need to buy multiple bottles and cans of oil to basically do the one job – "gas-up" a compressor. This means you won't have shelves full with different types of half used cans of oil.

And because PAOil is proven to cause less failures in compressors, you'll spend less time servicing returns and breakdowns.

Being non-hygroscopic means once opened, cans of PAOil won't spoil or deteriorate over time and there's less chance of moisture destroying the compressor from the inside out.

Plus PAOil has a shelf-life of 7 years so you don't have to be continually re-ordering. Just one simple order now and again from the one supplier should see you through the busiest time.

PAOil not only helps you make money, it makes sense!

## More power

PAOil's special blend creates less friction and heat and as a result compressors operate far more efficiently.

During tests comparing PAO's and OEM PAG's the following was found;

- PAO's clearly produced a lower air temperature out of the evaporator and;
- the improved cooling of PAO's was confirmed by the higher heat load on the air and refrigerant systems.

## Safer

Unlike PAG's and Esther's, PAOil is totally safe to you and the machinery it's used in.

PAOil will not effect;

- painted surfaces
- Teflon seals
- elastomer seals

PAOil is also compatible

- Other lubricants
- HCFC's, CFC's, HFC's, HFC Blends and HCFC Blends



PAOil is specified by Hella in 2005 for every automobile in Europe



Tests prove PAOil reduces compressor RPM



PAOil achieved lower air temperature out of the evaporator



PAOil is not hazardous in any way

## Specified internationally

PAOil is now recognised internationally as the one oil to use in all compressors.

Hella, one of the world's largest automotive companies, has specified PAOil for every make and model of vehicle in Europe, in it's 2005 product catalogue.

*You can't get much better than that.*

Today, over 45 countries worldwide use our oils and the number is quickly rising. Our production has increased almost 50 fold since the company's conception.

We anticipate the American market to embrace PAOil and it's technology as rapidly and successfully as other world markets.



# THE ONE!

## Less Wear-Longer Lasting

PAOil is a blend of synthetic oils that is proven to wear less, last longer and not breakdown.

In recent independent tests (*Report No: 555678-80, Dated October 13th, 2004 – Oil Check Pty. Limited*) PAOil out-performed Castrol Icematic SW100 and Emkarate RL68H.

The oils were tested for wear scar to ASTM D4172 and the scars examined and reported on as outlined in the following observations.

- PAOil showed a small scar with minimal damage. The oil showed no sign of discolouration.
- Castrol Icematic SW100 generated a large scar and had evidence of grooving. The uneven edges of the scar were evidence of typical adhesive wear and breakdown of the lubricant film causing localised welding. At the conclusion of the test the oil had changed from clear to light brown, indicating oxidation.
- Emkarate RL68H generated a scar and grooving indicating localized welding. The oil also had changed colour from clear to light brown as a result of oxidation.



PAOil shows minimum wear and NO oil discolouration or breakdown



Other oils show adhesive wear and grooving caused by oil breakdown



Quality Endorsed Company

ISO 9001  
QEC12939

	PAOil	Mineral	Polyolester	PAG
Non-Hygroscopic	✓	✓	X	X
Compatible with other lubricants	✓	✓	X	X
Compatible with HCFC's	✓	✓	✓	X
Compatible with CFC's	✓	✓	✓	X
Compatible with HFC's	✓	✓	✓	✓
Compatible with HFC Blends	✓	✓	✓	✓
Compatible with HCFC Blends	✓	✓	✓	X
Low Miscibility	✓	✓	X	X
Increased Capacity	✓	X	X	X
Superior High temp viscosity	✓	X	X	X
Non Aggressive - safe!	✓	✓	X	X
No additives required for stability	✓	✓	X	X

Available from

PAOil is manufactured by the Refrigerant Oil Company. 3-5 Sabre Court Tullamarine Victoria Australia 3043  
Telephone 613 9338 7522 Fax 613 9338 7811 Email enquiries@rocoil.com

