

To: AUTHORISED DEALERS/DISTRIBUTORS  
 N.Z. APPROVED INSTALLERS  
 H.O., REG'L & AUST. MANAGERS  
 APPLIC. NOTICE GENERAL LIST

Issue No.: 01/06  
 Date: 1<sup>st</sup> April 2006  
 From: T King/K Edwards

Subject: POLYESTER OIL (P.O.E) IN UNITS  
 Units: VARIOUS

In an effort to make life easier for ourselves, contractors, and the end clients, we have elected to purchase the bulk of our compressors in the future with Polyolester (P.O.E.) Oil. This will allow units to be changed over from R22 to R407C with less effort and of course less cost (they are not suitable for any other refrigerant).

Units will still need changes to accurators or to have TX Valves fitted and will still have some performance loss in the order of about 5%. We have elected not to insist on filter driers being fitted so it will be very important to keep system piping sealed to keep it dry and clean.

Our Installation & Maintenance Instruction Sheets will need updating as they currently advise about adding mineral oil and this will be done progressively. As a pre-cursor to this we advise to be watchful, if a compressor/system contains P.O.E. oil the compressor should have an "orange" splash of paint on it (look for it as it is not always obvious) usually on top or near the label. The model number of a Copeland compressor also has an 'E' in it, i.e. ZR28K3 E to denote P.O.E. oil charge. Alternatively look for P.O.E. in the 'Oil' column on the label (see below).a



The top up oil if required is *Emcarate* RL22CF.

We have adopted a system of now more clearly labelling the units to show the refrigerant contained. These labels are strongly coloured, GREEN for R22, BURNT ORANGE for R407C and PINK/MAUVE for R410A.

Please note that all R410A units contain P.O.E. oil and are designed only for R410A refrigerant.