Manufacturers Approval

Engas Pty Ltd and our Authorised Distributors are often asked about Air-conditioner Manufacturer's approval for the use of Engas Hydrocarbon Refrigerants in their equipment. We have outlined our response below.

Simply said: whenever people buy or pay off a loan on a piece of equipment – whether it be a car, mobile phone, refrigerator or Air-conditioner – they own it. They should be free to do whatever they want with it. Least of all, they should not have to seek permission from the manufacturer or a government body.

Many manufacturers will say that their Air-conditioning or refrigeration equipment was not designed for hydrocarbon refrigerant.

This is not true, Engas hydrocarbon refrigerant is designed for their equipment. This is of course, is subject to the equipment being in good order and passing a safety analysis. If the equipment cannot be Retro-fitted safely, then it should not be converted.

It is not up to the manufacturer to determine after-market practices. It is not the manufacturer of the equipment that decides whether Retro-fit conversions are suitable or not. This is a matter for a competent person experienced in the Air-conditioning and refrigeration field or sector and also at the discretion of the owner of the equipment subject to the competant contractors advice. Both the contractor and the owner have absolute authority in this regard, subject to the relevant standards.

It is not a manufacturer's duty to approve all possible materials, parts and components that might be used in ongoing Air-conditioning or refrigeration systems during their life span. In a fast changing world, it is often impossible to anticipate all subsequent ongoing improvments involving parts and materials.

Typically, manufacturers will only approve the use of original equipment manufacturer parts for obvious commercial reasons!

Should equipment still be covered by a manufacturer's warranty, then the owner of the equipment will always be covered by that warranty. **Australian Law** prohibits manufacturers from denying a warranty claim even if equipment they've manufactured has been upgraded or modified. They can only deny warranty, if the modification reasonably contributed to a warranty claim fault. Please see the Engas Warranty Statement for further details.

An Air-conditioning or refrigeration system that has been converted to, or installed with an Engas Hydrocarbon Refrigerant by a refrigeration engineer or technician properly trained in the installation of Engas refrigerants, (and installed in accordance with correct procedures and standards) will not cause damage to that machine.

In fact it will be better for that machine and the owner will save a substantial amount of money in electricity consumption costs for the life of the machine.

Further Important Information.

1) Hydrocarbon Refrigerants are promoted for use by the United Nations Environment Programme.

2) Hydrocarbon Refrigerants are recognised as proper refrigerants by the World's leading HVAC Industry Bodies such as ASHRAE & AIRAH. They are given designated 'R' numbers such as R290 & R600a which are single element refrigerants.

3) Hydrocarbon Refrigerants are environmentally friendly.

4) Hydrocarbon Refrigerants are energy efficient.

5) Hydrocarbon Refrigerants have lower operating temperatures and excellent lubricating properties.