

MAINTENANCE AND RETROFITTING BASIC TRAINER R12 TO HIDRO CARBON

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ABSTRACT

Maintenance and Retrofitting always busy to be the subject of discussion because the topic is related to the replacement of refrigrant materials, Although it will not replace materials and tools but in terms of his refrigeration science many interesting things. In terms of basic sciences the working principle of the system is still fixed, only the refrigerant is changed. In fact, there can be no changes in components and equipment. The existence of compressors, condensers, evaporators, and expansion valves still exist. In the case of retrofitting carried out as the initial determination is refrigerant R12 and in its place is refrigerant Hydro Carbon In case retrofiting is treated as the initial determination is refrigerant R12 and its replacement is refrigerant Hydro Carbon (HC). It is found that the Coeffisient of Performance COP R12 refrigerant is still higher than COP Hydrocarbon, but the refrigerant HC is more economical (the use of refrigerant and electric power is cheaper)

KEYWORDS: Maintenance, Retrofitting, Refrigerant R12, Refrigerant, Hydrocarbon, Compressor, Evaporator