



BY JOHNSON CONTROLS

Service Information

File In/With: All Models		SI0215
		110
Equipment Affected	YK, YT, YS, YR, CYK, YD, YST, YCA (Recip), YDA (Recip), YCW (Recip), YCR (Recip), YCU (Recip), YEA (Recip), YCA (Screw), YCW (Screw), YCR (Screw), YCA (Scroll), YCW (Scroll), YCR (Scroll), YCU (Scroll), YLAA (Scroll), YLUA (Scroll), YCAV (Screw), YCIV (Screw)	
Refrigerant and Lubricant Additives		

GENERAL

Many chiller systems allow for the refrigerant and lubricant to be in direct contact with each other, within the system. These same fluids also come into contact with elastomers and gaskets designed to contain those fluids. The chemistry of the fluids, gases, and elastomers utilized must be carefully controlled.

The specific fluids used in a refrigeration system are critical due to the complex chemistry and to the reliability required of refrigeration systems in general. While it is relatively simple to outline the physical characteristics of a fluid for a particular application, it would be rather difficult, if not almost impossible, to clearly outline chemical conditions. Through tests and experience, York and others have developed fluids to meet the specific requirements of various applications.

It is not practical for York to test and obtain experience on all possible manufacturers and combinations of oil, refrigerants, elastomers, or gaskets for which reason we prefer to remain impartial to other sources of supply and continue our recommendations that York approved products be utilized. York approved fluids have been proven by years of satisfactory operation in thousands of units.

The use of additives, inhibitors or detergents is not recommended in view of the complex chemistry of the overall system. The use of non-approved fluids or additives may have an effect on the performance on the equipment, reliability of moving components, elastomers, and gaskets.