SCOPE
Over the years, refrigeration systems have changed remarkably. Until the early 1990s, almost all commercial refrigeration systems contained CFC refrigerants and mineral oil lubricants. The mid to late 1990s systems began to change with new refrigerant blends and refrigerants, plus the addition of alkyl benzene lubricants and polyol ester oil.

Today many of the older refrigeration systems with mineral oil and alkyl benzene lubricants are in the process of replacement with the current polyol ester oil refrigeration systems. When that happens, the question to the Service Department is; “Can I use the old tubing and/or condenser for a remote installation?”

ACTIONS:
To briefly answer that question: “no”.
Best practice recommendation is do not mix two types of refrigerants and oils. Today’s refrigerants and oils act as a solvent washing everything accumulated in the system over the years into the new expansion valve, head pressure control valve, compressor, etc. For this reason, mixing a new refrigeration system with old component is against Manitowoc Beverage Systems policy and will void any new equipment warranty.

When connecting new refrigerant equipment to a multi-circuited condenser, you must use a clean, new circuit or a new condenser.

FURTHER ACTIONS
Contact Manitowoc Beverage Systems Service if you have any questions or concerns: 800-367-0427.