

12/22/2017 - Replaced Reversing Valve Circuit A Module 4
Found cracked suction elbow Circuit A Module 1

1/30/2018 Removed suction filter from circuit A on Module 1 and replaced the cracked elbow. Repiped the suction line with a loop in it to reduce stress on the fittings when compressor starts and stops. Added oil, started compressor, compressor sounds bad

1/30/2018 Determined there is a software glitch in the controller for module 4. Sometimes it will go into a diagnostic shutdown but will not report it to the master control as a result, the master controller will not stage up and no cooling will take place.

1/30/2018 Module 4 had over 1,000 historic LHW Temp diagnostics. While checking it out I found that when the chiller is heating with 3 modules and cooling with 1, hot water is getting past the isolation valves between modules 3 and 4. This is causing a significant rise in the leaving load water on the cooling side and the compressor that is running cannot satisfy the demand and eventually trips. I saw a leaving load water temp. of 82° and a leaving module water temp of 38°

3/14/2018 Replaced compressor A on module 1 and installed a suction filter.

3/14/2018 I removed the actuator on the bottom VME between modules 3 and 4 and manually rotated the valve 180°. I checked the valve operation with the actuator installed and it will now close and seat properly with no leakage

4/30/2018 Rebuilt the reversing valve on module 3 circuit A

12/21/2020 Compressor A on module 1 is grounded. Contactor for comp. A is bad
Compressor A on module 2 is locked up; contactor needs to be replaced
Contactor for compressor A on module 3 is bad
Condenser valve on module 4 is leaking glycol around the stem
Condenser valve on module 1 is leaking glycol around the stem