

## **Water Chillers:**

1. Check compressor oil levels in oil level sight glass.
2. Check liquid line sight glass/moisture indicator.
3. Check condenser coils for dirt debris and clean if necessary.
4. Check programmable operating set points and safety cut-outs and assure that they are correct for applications.
5. Check compressor and cooler heaters for operation.
6. Check compressor superheat on evaporator and economizer TXV's.
7. Check condenser and economizer subcooling.
8. Leak check the chiller.
9. Sample compressor oil and replace if necessary.
10. Disconnect power source and lock-out; check tightness of power wiring connections.

**Warning:** When working on Water Chiller electrical components, provide lockout device, a lockout tag and a tag-out device on electrical breaker or on the disconnect switch, see sheet PART I - Page 5-9 & 5-10 for panel, breaker and/or disconnect switch. The devices shall be in full compliance with Appendix 1i-13.

**Caution:** All clothing should be checked to insure that loose ends of clothing or other objects may not be caught in the rotating machinery.

**Caution:** Be sure that the unit is properly grounded before working on the chiller.

**Caution:** Never pressurize the unit in excess of the manufacturers recommended pressures.

**Caution:** Before opening the compressor housing for repair, the internal pressure within the compressor must be relieved.

**Caution:** Removal and reinstallation of the compressor, chiller evaporator and condenser heads will require special lifting equipment that is capable of handling the weight. Special care and safety will be required to prevent injury to personnel and equipment from swinging equipment.