

Klinge Corporation
PTI form for all TCR-110 Systems

| RECORD DATE | TIME | JOB |
|---|---|-----------------------------|
| UNIT MODEL NUMBER | CONTAINER NUMBER | |
| UNIT SERIAL NUMBER | LOCATION | |
| CONTROL BOX SERIAL NUMBER | TECHNICIAN NAME | |
| NOTE: AT ANY POINT IN THE PROCEDURE, SHOULD THERE BE A FAILURE OF THE UNIT TO OPERATE PROPERLY, PLEASE REFER TO THE MANUAL. | | |
| Check unit hold-down bolts and pipe connections to ensure that they are not loose. | | |
| Inspect power cable for signs of damage. | | |
| Visually inspect the unit for physical damage. Remove covers for internal viewing. | | |
| Check condenser coils and clean if required. | | |
| Check for signs of glycol and refrigerant leaks. | | |
| Open the electrical control box and inspect it to ensure that all connections are tight and the electrical components are properly secured. | | |
| Check the glycol sight glass (PVC inlet hose) at the unit to ensure that the glycol can be easily seen. If not the tube should be replaced. | | |
| For Non-Pressurized systems, check the glycol level in the expansion reservoir, it should be 1/2 full at ambient temperature. For Pressurized systems refer to manual for glycol level checking. | | |
| Connect main power plug to power source. | | |
| Record voltage and frequency. | | V: Hz: |
| Check that circuit breaker (CB-1) is set to the appropriate setting based on unit configuration. | : STANDARD = 13 Amp | |
| | : w/ 6 kW HEAT = 13 Amp | |
| | : w/ 12 kW HEAT = 25 Amp | |
| Start Unit and Perform Function Test as per manual. | | |
| Confirm function test completed properly without error and unit continues to normal operation. | | |
| Set the set point 5 degrees colder than current tank temperature. | | |
| Record current Cargo Temperature | | |
| Record current Glycol Temperature | | |
| Measure the compressor current draw. | Normal amperage: 4.0 - 7.0 Amps | |
| Measure the condenser fan motor current draw | Normal amperage: 1.0 – 3.0 Amps | |
| Measure the pump motor current draw | Normal amperage: .5 – 2.0 Amps | |
| Measure the heater current draw if equipped | Normal amperage: 6kW 6.0 – 8.0 Amps (Heaters) 12kW 13.0 – 16.0 Amps | |
| Check oil level in the compressor sight glass after 20 minutes of running time. The level should be ½ to ¾. | | |
| Check the refrigerant level in the coil receiver sight glass, it should be between the upper and lower sight glasses. | | |
| Check moisture indicator on the coil receiver for Dry indication. | | |
| Check the flow in the glycol sight glass at the pump inlet for bubbles. (Vent the glycol system if necessary) | | |
| Check the current Cargo Temperature and Glycol Temperature against the previously recorded temperatures to ensure proper cooling. Please note that since the tank is empty or has a large product mass the Cargo Temperature may not have reduced much. | | |
| If equipped with Data Logger, check for accurate temperature reading, printer operation, and supply of printer tape. | | |
| Turn off unit and disconnect power plug. Secure power cable and refasten any covers that have been removed. | | |
| Check that the electrical box door gaskets are in proper order. | | |
| NOTES: (Additional pages should be used for notes if required) | | |