Klinge Corporation
PTI form for ALLTCR-110 Dual System models

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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.

NOTE: START BOTH UNITS TO CONDUCT OPERATIONAL TESTING. TEST SYSTEM 1 FIRST, THEN AT SWITCHOVER TO SYSTEM 2 CONDUCT ANY NECESSARY OPERATION TESTING FOR THAT SYSTEM.

General Inspection of Container System and Each Unit:		Check if OK
Check Unit and Control Box hold-down bolts as well as pipe connections to ensure that they are not loose.		
Inspect power cable and component cables 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.		
Check the glycol sight glass (PVC inlet hose) at the unit to ensure that the glycol can be easily seen. If the tubes are cloudy or not able to easily see through the tube should be replaced.		
For Non-Pressurized systems, check the glycol level in the expansion reservoir, it should be 1/2 - 3/4 full at ambient For Pressurized systems refer to manual for glycol level checking.	temperature.	
Connect main power plug to power source.		
Record voltage and frequency of power source.	Volts:	Hertz:

System 1 Operational Check:					Check if OK
Open the electrical control box and inspect to ensure the secured.	at all co	nnections are tight and the electrical o	componen	ts are properly	
Check that circuit breaker (CB-1) is set to the appropriate setting based on unit configuration.		Standard or with 6 kW Heater Module = 13 Amps With 12 kW Heater Module = 25 Amps			
Start Unit and Perform Function Test as per manual.		1			
Confirm function test completed properly without error and	d unit co	ntinues to normal operation.			
Set the set point 5 degrees colder than current tank temp	erature.				
Record current Cargo Temperature					
Record current Glycol Temperature					
Measure and record, compressor current draw	Norm	al amperage: 4.0 – 7.0 Amps	L1:	L2:	L3:
Measure and record, condenser motor current draw	Norm	al amperage: 1.0 – 3.0 Amps	L1:	L2:	L3:
Measure and record, glycol pump current draw	Norm	al amperage: 0.5 – 2.0 Amps	L1:	L2:	L3:
Measure and record, heater current draw (If equipped)		al amperage 6 kW: 6.0 – 8.0 Amps al amperage 12 kW: 13.0 – 16.0 Amps	L1:	L2:	L3:
Check oil level in the compressor sight glass after 20 mi	nutes of	running time. The level should be 1/2 to	O <sup>3</sup> / <sub>4</sub> .	I	
Check the refrigerant level in the coil receiver sight glas	s, it sho	uld between the upper and lower si	ght glasse	es.	
Check moisture indicator on the coil receiver for Dry indic	cation.				
Check the flow in the glycol sight glass at the pump inlet	t for bub	bles. (Vent the glycol system if necess	sary)		
Check the current Cargo Temperature and Glycol Tempe cooling. Please note that since the tank is empty or has a					

System 2 Operational Check:					Check if OK
Open the electrical control box and inspect to ensure the secured.	at all con	nections are tight and the electrical of	componer	its are properly	
Check that circuit breaker (CB-1) is set to the appropriate setting based on unit configuration.  Standard or with 6 kW Heater Module = 13 Amps With 12 kW Heater Module = 25 Amps					
Start Unit and Perform Function Test as per manual.					
Confirm function test completed properly without error and	d unit cor	ntinues to normal operation.			
Set the set point 5 degrees colder than current tank temp	erature.				
Record current Cargo Temperature					
Record current Glycol Temperature					
Measure and record, compressor current draw	Norma	Normal amperage: 4.0 – 7.0 Amps		L2:	L3:
Measure and record, condenser motor current draw	Norma	Normal amperage: 1.0 – 3.0 Amps		L2:	L3:
Measure and record, glycol pump current draw	Norma	Normal amperage: 0.5 – 2.0 Amps		L2:	L3:
Measure and record, heater current draw (If equipped)		Normal amperage 6 kW: 6.0 – 8.0 Amps Normal amperage 12 kW: 13.0 – 16.0 Amps		L2:	L3:
Check oil level in the compressor sight glass after 20 mi	inutes of	running time. The level should be ½ to	3/4.	II.	
Check the refrigerant level in the coil receiver sight glas	ss, it shou	uld between the upper and lower si	ght glasse	es.	
Check moisture indicator on the coil receiver for Dry indic	cation.				
Check the flow in the glycol sight glass at the pump inlet	t for bubb	oles. (Vent the glycol system if neces	sary)		
Check the current Cargo Temperature and Glycol Tempe cooling. Please note that since the tank is empty or has a					

System Switch Over Testing and General Shut Down:	Check if OK
At the conclusion of the Operation Testing of both System 1 and System 2, cycle the power to both systems and ensure that System 1 is turned on first and assumes the Primary Role.	
Once System 1 is in normal operation with System 2 in Standby Mode, turn the power to System 1 off.	
After approx. 3 minutes System 2 will begin operation as the Primary System.	
At this time leave System 2 running and turn the power to System 1 back on.	
After approx. 4 minutes turn the power to System 2 off.	
After approx. 3 minutes System 1 will begin operation as the Primary System.	
Turn off power to both units 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.	
If the system is an ATEX System, ensure that the Control Box Bolts are torqued to the proper setting as per the Operations Manual.	
If equipped with Data Logger, check for accurate temperature reading, printer operation, and supply of printer tape.	
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**NOTES:** (Additional pages should be used for notes if required):

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