THERMO KING

Klinge

PTI form for ALL TCR-104 Systems

Record date:	Time:	Job:
Unit Model #:		Container #:
Unit Serial #:		Location:
Control Box Serial #:		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

Initial = **OK**

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.		
Connect main power plug to power source.		
Record voltage and frequency.	**V:**	**Hz:**
Check that circuit breakers are set.	CB-1	
	CB-2	
	CB-3	
With system off, vent air from the glycol lines above the air separator and the 2 vents on the tank. **Warning**: air bubbles trapped in the container glycol system could cause the refrigeration system to now work properly.		
Run the pump only at ambient temperature and continue venting air from the glycol system at all vent points.		
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 running amps 9	
Measure the condenser fan motor current draw	Normal running amps 3	
Measure the pump motor current draw	Normal running amps 2.5	
Check the refrigerant level in the receiver, it should be between the upper and lower sight glasses.		
Check moisture indicator 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.		

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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.	

By signing this form, we are acknowledging that any discrepancies in the recorded data have been noted and accepted.

Test Operator Signature	**Date**	**Engineer / Designee Signature**	**Date**

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