

## Klinge Corporation

PTI form for all TCR-109 Pressurized-System models

<b>RECORD DATE</b>	<b>TIME</b>
<b>UNIT MODEL NUMBER</b>	<b>CONTAINER NUMBER</b>
<b>UNIT SERIAL NUMBER</b>	<b>LOCATION</b>
<b>JOB</b>	<b>MECHANICS, NAME</b>
<b>NOTE: AT ANY POINT IN THE PROCEDURE, SHOULD THERE BE A FAILURE OF THE UNIT TO OPERATE PROPERLY, REFER TO SECTION 4 ON TROUBLE SHOOTING.</b>	
<b>MAINTENANCE REQUIREMENT</b>	
Visually inspect the unit for physical damage. Remove cover(s).	
460-490 VAC power available.	
Check for signs of glycol and refrigerant leaks.	
Check the glycol sightglass (inlet hose) if it is not clear, it should be replaced.	
With system off vent air from the glycol lines above the air separator and the 2 vents on the tank see Klinge Corp instructions SECTIONS 5.7 AND 5.8. <b>Warning</b> - air bubbles tapped in the container glycol system could cause the refrigeration system not to work properly. The complete manual is available at <a href="http://www.klingecorp.com">www.klingecorp.com</a>	
Run the pump only at ambient temperature and continue venting air from the glycol system at all vent points.	
Turn the unit off and continue with the check list.	
Check condenser coils and clean if required.	
Check unit hold-down bolts and pipe connections to ensure that they are not loose.	
Open the electrical control box and inspect it to ensure that all connections are tight and the electrical components are properly secured.	
Check that the electrical box door gaskets are properly sealed.	
Power plug connection properly made up.	
Inspect power cable for signs of damage.	
Check that circuit breaker (CB-1) is set appropriate to the unit(s).	: STANDARD = 9A
	: w/ 6 kW HEAT = 9A
	: w/ 12 kW HEAT = 25A
<b>START THE UNIT</b>	
Thermostat function test –	
See the text on the side of the thermostat.	
Measure the compressor current draw.	Normal running amps 4.0-4.5A
Measure the condenser fan motor current draw	Normal running amps 2.0-2.5A
Measure the pump motor current draw	Normal running amps 1.0-1.3A
Check oil level in the compressor sight glass. ( after 20 min. running time )	
Check the refrigerant level in the receiver sight glass, it should be between the sight glasses.	
Check for bubbling in the refrigerant sight glass.	
Check moisture indicator for a DRY indication.	
Check the flow in the glycol sightglass at the pump inlet. ( vent the glycol system if necessary )	
To add glycol to the system it should be at ambient temperature. Attach a hose at the fill valve. Glycol can be added at 20 psi minimum, only while the unit is running and cooling. The expansion tank is only used for glycol storage when the glycol becomes warmer. See instructions SECTIONS 5.7 AND 5.8.	
Secure all cables and replace all covers.	
IF equipped with Euroscan, check for adequate accurate temperature reading, printer operation, and supply of printer tape	

**NOTES:**