

YORK NOTES

❖ From Tech Support Group

❖ YK Chillers

- Most Common failure?
 - Oil Pump Shaft Failures
 - New pumps have ¾" shaft – previous pumps had ½" shafts
- Liquid Level Sensors
 - Check for moisture in electronic head
 - Replace like head for like head (potentiometer or push button)
- Refrigerant cooled oil coolers
 - If sub cooling is lost then a vortex is created at outlet to evaporator (beginning of Liquid Line). This can cause 2 phase (liquid and vapor) to be sent to the oil cooler TXV. Increase liquid level set point in condenser. Possibly add refrigerant.
- If sub cooling is lost then a vortex is created at outlet of evaporator (beginning of Liquid Line). This can cause the liquid level sensor to measure a false level (too high). The level controller will "hunt" over time. Increase liquid level set point in condenser. Possibly add refrigerant.
- Stress Logging Methodology to our students
- Stress Basic Troubleshooting Tactics to our students.
- Ask our mechanics to leave more details and information in all voice messages for the technical support group
- Have product literature available
- The higher the lift the higher the discharge super heat