

**PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST**  
**AIR COOLED CHILLER, PACKAGE UNIT**

**SITE AND BLDG #:** WV007

**MECHANIC SIGNATURE:** Brian McDerment **DATE:** 11/01/2022

**LOCATION/RM #:** WO# XXXX ASSET # 453

**START TIME:** 8:20 **FINISH TIME:** 11:00am

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
<b>SPECIAL INSTRUCTIONS</b>				
1	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.	Y		
2	No intentional venting of refrigerants is permitted. During the servicing, maintenance, and repair of refrigeration equipment, the refrigerant must be recovered.	Y		
3	Whenever refrigerant is added or removed from equipment, record the quantities on the appropriate forms. Forms to be maintained by technician in universal waste binder.	Y		
4	Recover, recycle, or reclaim the refrigerant as appropriate.	Y		
5	If disposal of the equipment item is required, follow regulations concerning removal of refrigerants and disposal of the item.	Y		
6	If materials containing refrigerants are discarded, comply with EPA regulations as applicable.	Y		
7	Refrigerant oils to be treated as hazardous waste.	Y		
8	Closely follow all safety procedures described in the Safety Data Sheet (SDS) for the refrigerant and all labels on refrigerant containers.	Y		
9	Remove access covers prior to accomplishing check points.	Y		
<b>TO BE PERFORMED AT EACH INSPECTION SERVICE</b>				
<b>CONDENSER</b>				
1	Remove debris from air screen and clean underneath unit.	Y		
2	Pressure wash coil with proper cleaning solution.	Y		
3	Straighten fin tubes with fin comb.	Y		
4	Check electrical wiring and tighten loose connections. Check fused disconnect switches for condition and operation, contactors	Y		
5	Check mounting for tightness.	Y		
6	Check for corrosion. Clean and treat with inhibitor as needed.	Y		
7	Check fan or blower for bent or damaged blades and imbalance.	Y		

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		YES	NO	
8	Lubricate shaft and motor bearings on fans and remove old or excess lubricant, if applicable.		N/A	Sealed Bearings
9	Inspect pulleys, belts, couplings, etc.; adjust tension and tighten mountings as necessary. Change badly worn belts. Multi-belt drives should be replaced with matched sets.	Y		
EVAPORATOR				
1	Inspect evaporator for any obvious deficiencies.	Y		
2	Inspect plumbing, valves and flanges for leaks and correct as needed.	Y		
COMPRESSOR(S)				
1	Lubricate drive coupling, if applicable.		N/A	
2	Lubricate motor bearings (non-hermetic), if applicable.		N/A	
3	Check bearings for vibrations or unusual noises.	Y		
4	Leak test unit with soap test or electronic device.	Y		
5	Check compressor oil level., if applicable.	Y		Sight glass 1/3 correct level
6	Run machine; check action of controls, relays, switches, etc. to see that: a. Compressor(s) run at proper settings. b. Suction and discharge pressures are proper.	Y		
7	Check vibration eliminators. Replace as necessary.	Y		
8	Document AMP draw on compressors	Y		L1 21.3 L2 21.7 L3 21.3
9	Check safety controls for high pressure cut off.	N/A		Pressure safety's are sealed
CONTROLS				
1	Record chilled water supply and return temps and Humidity .	Y		45* supply 52*Return building RH 52%

Note: The technician shall perform any repairs identified during PM up to \$250 (direct labor and direct material cost) per PM occurrence. For any deficiencies found exceeding \$250 open a corrective maintenance (CM) ticket and include the Asset #, WO #, photos, and a detailed discription of the deficiency.

To be performed by: HVAC Technician

**Additional Notes:**