

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST
AIR COOLED CHILLER, PACKAGE UNIT

SITE AND BLDG #: WV007

MECHANIC SIGNATURE: Brian McQuinn **DATE:** 5-8-2024

LOCATION/RM #: WO# 15541 ASSET # 3210

START TIME: 1030 **FINISH TIME:** 230

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

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		YES	NO	
8	Lubricate shaft and motor bearings on fans and remove old or excess lubricant, if applicable.	●		
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.		●	This unit has no belts or pulleys just direct drive CFM s
EVAPORATOR				
1	Inspect evaporator for any obvious deficiencies.	●		
2	Inspect plumbing, valves and flanges for leaks and correct as needed.	●		
COMPRESSOR(S)				
1	Lubricate drive coupling, if applicable.	●		
2	Lubricate motor bearings (non-hermetic), if applicable.	●		
3	Check bearings for vibrations or unusual noises.	●		
4	Leak test unit with soap test or electronic device.	●		
5	Check compressor oil level., if applicable.	●		
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.		●	To cold to run the chiller while the
7	Check vibration eliminators. Replace as necessary.	●		
8	Document AMP draw on compressors	●	●	L1 L2 L3
9	Check safety controls for high pressure cut off.		●	
CONTROLS				
1	Record chilled water supply and return temps and Humidity .		●	

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: