

### Refrigeration Whole Foods Market Inspection Report (Fall)

**Technician:**

**Date:**

**Store #:**

**STL Signature:**

Item	Standard Maintenance	Complete Yes/No	Photos Required	Extra Work Needed
1	Check in at the customer service desk. Record the name of the leadership team member you spoke with here: Name:			
2	Pressure wash and appropriately clean all air-cooled refrigeration condensers.			
3	Inspect and tighten all electrical connections on racks and check compressor contactors for wear. Pitted or worn contactors should be identified for replacement. Check all large electrical connections on refrigeration for tightness.		Yes	
4	Inspect All Pressure Relief Valves for any blockages or leakage.			
5	Inspect all Water-Cooled Refrigeration condensers for flow and adequate heat rejection based on the Delta T across the inlet and outlet of the condenser water.  Condenser:                      Delta T:  Condenser:                      Delta T:			
6	Glycol Refrigeration Skids inspect all pump performance. Check electrical connections and record voltage and amperage.  ID:                      Volts:                      Amps:  ID:                      Volts:                      Amps:			
7	Verify all Glycol levels are maintained at or above Whole Foods standards. DO NOT MIX BRANDS OF GLYCOL Leak check glycol cases if there is a drop in the glycol level			
8	Test with refractometer that glycol concentrations are within acceptable manufacturer design; typically 35%			
9	Inspect and verify operation of the heat reclaim for both hot water and HVAC if applicable			
10	Inspect adiabatic condensers (BAC Trillium) Belimo valve for operation			
11	Inspect internal water pump on adiabatic condensers for operation and clean sump.		Yes	
12	Test and Inspect Battery Back Up for EMS controllers to confirm operation			
13	Inspect defrost panel contactors and tighten all electrical connections			
14	Verify Heat Trace is working, and insulation is secure on walk in freezer and meat cooler boxes			
15	Make note of any plastic strip curtains that need to be replaced or added to walk in coolers or freezers			
16	Confirm walk in door switches are in proper working order.			
17	Verify there are no alarms on refrigerant leak detection systems and address if any zone is indicating a leak present			
18	Check all oil safety controls, high/low pressure controls and other compressor controls for proper operation and settings. Verify that they function properly.			
19	Check cycle counts on all compressors. Document cycle counts per compressor on attached compressor data sheet.			
20	Check and record suction set points:  Rack A:                      Rack B:  Rack C:                      Rack D:			

21	Check and record power supply voltage for each rack: Rack A L1-L2: L2-L3: L1-L3: Rack B L1-L2: L2-L3: L1-L3: Rack C L1-L2: L2-L3: L1-L3: Rack D L1-L2: L2-L3: L1-L3:			
22	Verify phase monitor settings and operation.			
23	Verify proper heat reclaim operation.			
24	Check compressor oil levels, condition, and color and note any problems.			
25	Oil Reservoir Level (Site glass/Ball Level) Rack A: Rack B: Rack C: Rack D:		Yes	
26	Oil Condition and Color Rack A: Rack B: Rack C: Rack D:		Yes	
27	Check and record refrigerant levels: (Site glass/Ball floating) Rack A: R- Level: Rack B: R- Level: Rack C: R- Level: Rack D: R- Level:		Yes	
28	Verify all Schrader valves and service valves have caps and are tight. NO PLASTIC CAPS ALLOWED. All missing caps need to be replaced			
29	Check and record color of moisture indicator on each rack: Rack A: Rack B: Rack C: Rack D:		Yes	
30	Check and record compressor superheat on every refrigeration compressor. Note all concerns for follow up repair.			
31	Check pressure differential on rack liquid line filters and replace as necessary.			
32	Check and record pressure differential on coalescing oil separators. Rack A: Rack B: Rack C: Rack D:			
33	Check crankcase heater operation if applicable.			
34	Check head fan motor operation. Clean fan guards and oil coolers.			
35	Inspect and adjust sub-cooler for proper operation.			
36	Adjust oil equalization.			
37	Check and verify proper operation of all phase monitors.			
38	Inspect condensers/gas coolers and verify that <i>all</i> fans function. Check condenser/gas cooler settings in controller. Inspect blades.			
39	Check settings on split condensers and verify operation.			
40	Check for proper air flow through condensers.			
41	Shut down, drain, and clean, evaporative condensers and cooling towers.			
42	For any Enviroguard systems, check and record condenser subcooling: Rack A: Rack B: Rack C: Rack D:			
43	Inspect cases for proper airflow and case operation. Replace/clean ambient air filters on MD cases as needed.			
44	Inspect trim on all cases. Secure loose pieces and eliminate hazardous and sharp edges. Make sure there are no safety issues for customers or team members.			
45	Check all glass doors to ensure that they close properly; check gaskets and door hold open devices. Check all drawer gaskets and condition of all case doors.			
46	Check anti-sweat controls, if applicable, for proper operation.			

47	Check the auto drain function on adiabatic condensers for operation of the drain solenoid for both the sump and the water fill line. If the water fill line doesn't have its own drain, check that it is insulated and heat tape is operational.			
48	Check evaporator drain lines. Clean out if necessary.			
49	Check Defrost settings and operation			
50	Inspect AcornVac or EVAC system, if applicable, for proper operation. Clean radiators on pumps.			
51	Clean walk-in cooler/freezer evaporator coils and fan guards. Check that all fans are operating.		Yes	
52	Check all circuit temperatures in controller. Verify that all systems are maintaining proper temperatures. Notify STL of any discrepancies.			
53	Check alarm logs. Identify recurring alarms that need attention.			
54	Check all controllers for overrides. Determine why, if any, overrides are in place.			
55	Test and verify that local alarm light and horn function.			
56	Check entire store for leaks with electronic leak detector. Notify Sustainable Facilities Team of any findings.			
57	Check refrigerant piping clamps and hangers. Tighten loose connections.			
58	Check refrigerant piping insulation for missing sections or splits.		Yes	
59	Check operation of machine room ventilation. Verify that exhaust fan/damper works.			
60	Clean machine room, dispose of any garbage, wipe down racks. Machine room should be completely clean when done.		Yes	
61	Inspect all self-contained refrigerated units in store for proper operation and clean condensers.			
62	Clean and lubricate all ice machines as per manufacture specifications.			
63	Inspect and change, if applicable, water filters on all ice machines.		Yes	
64	Upload copy of this report to WFM Work Order Management System.			
65	Any refrigerant added and leak checking must be entered in Trakref Refrigerant Tracking System within 3 business days			
66	Check and adjust if necessary condenser hold back and bypass operation.			
67	Verify all controller inputs including pressure transducers, liquid level, light level, RH/DP for proper values.			
<b>68</b>	<b>Please take photos of the below at the frequency specified:</b>			
a	Condenser coils before and after work has been completed		Yes	
b	Evaporator coils after work has been completed		Yes	
c	Fan guards after work has been completed		Yes	
d	Condenser coil fins before and after work has been completed		Yes	
69	Check out at the customer service desk. See if there are any open work orders at the store that can be presently addressed. Record the name of the leadership team member you spoke with here:  Name:			

**Refrigeration Outstanding Identified Issues**

Please list any items that were not addressed on this visit and require attention. Organize items by critical and non-critical, with critical items being defined as needing immediate attention while non-critical items are not urgent.

	<b>Items That Require Additional Work</b>	<b>Critical</b>	<b>Non-Critical</b>
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