

Tasking List for Service Contract

Annual Service (Spring Start up) April

Refrigeration
Description of Task

Rack Systems		Low Temp		Med. Temp				
		Comp: A-1	Comp: A-2	Comp-1	Comp-2	Comp-3	Comp-4	Comp-5
Cleaning								
1	Clean Condensers - (from top)							
2	Clean Compressors							
3	Clean and sweep motor room							
4	Clean and prime and paint any rust areas							
5	Clean all Head Fans							
Electrical								
1	Tighten all electrical connections							
2	Check all contactors for pitting, replace as necessary							
3	Check service disconnect - report any issues found							
4	Check Phase loss Monitor (dry run)							
Alarm								
1	Test refrigeration alarm (remote and off site monitoring)							
Refrigeration system								
1	Leak Check system (L detector) - record location and method of correction for each leak.							
2	Check for leaks visually (refrigerant and oil) - record location and method of correction.							
3	Check oil failure control (dry run)							
4	Perform Acid Test (results sent to TFM maintenance Dept.)							
5	Check all piping clamps and cap tubes for vibration wear.							
6	Check moisture indicator sight glass - record issues and corrective actions.							
7	Check Head Cooling Fans							
8	Change Oil filter							
9	Change Suction Filter If > 2 psi drop							
10	Change Liquid line filter dryer >2 psi drop							
11	Record Voltage to the rack/condenser							
12	Operate split condenser - record any issues and corrective actions taken.							
13	Operate heat reclaim - air and water							
Controls								
1	Check CPC for any active alarms/faulty sensor reading							
2	Check all boards for proper operation/communication							
3	Tighten all board connections							
Record								
1	Record/adjust oil levels (compressor)							
2	Record receiver level							
3	Record Compressor amp draw (fully loaded)							
4	Record Compressor efficiency (5 min should hold vacuum)							

5	Record Compressor Superheat							
6	Record low pressure cut out							
7	Record high pressure cut out							
8	Record compressor motor amp draw							
9	Record oil reservoir level							
10	Record condenser motor amp draw							
11	Record condenser sub cooling (delta drop leg T and SCT)							
12	Record receiver pressure regulator setting (10psi lower A8 HB valve)							
13	Record condenser hold back setting (120PSI)							
14	Record Pressure drop on Suction filters							
15	Record Pressure drop on Liquid line filters							
16	Record Discharge Temperature at Compressors							
17	Record/adjust Heat R Discharge Pressure regulator setting (bypass>10PSI pressure drop)							
	Calibrate, record any offsets							
1	Suction Transducer							
2	Discharge transducer,							
3	Discharge air sensors (cases)							
4	Receiver liquid level transducer							
5	Suction Temperature Sensor							
6	Outdoor air sensor, lighting level sensor							

	Cases/Walk-in Boxes	Meat Cooler	Seafood Cooler	Seafood Freezer	Produce Cooler	I/C Freezer	Bakery Freezer	
1	Check temperature Sensors - List any offsets							
2	Check thermometers							
3	Check air flow - record and correct issues							
4	Check defrost operation							
5	Check all evaporator defrost and drain pan heaters							
6	Check all Freezer Door curtains, Closers, gaskets and Frame Heaters - notify TFM of Replacements needed.							
7	Clean Walk-in Evaporator Coils and Drain pans/lines							

	Glycol System Pump Station	Supply	Return
1	Check supply and return pressure and record		
2	Record glycol level in reservoir		
3	Adjust and record return pressure to 15-20PSI		
4	Test PH of Glycol (record value)		
5	Test Glycol (Send sample to Dow and results to TFM)		

