

Shipping Container Freezer

Last Issue Date: 11/10/2019		Type Of Service				
Activity		A	B	C	D	E
1	TEMPERATURE: Check the temperature versus set point & record.		Y	Y	Y	
2	TEMPERATURE CONTROLS, check the: a) Condition & operation of the thermostat & the set points & recalibrate if necessary; b) Condition & operation of the Temperature Alarms; & c) Undertake a temperature running test (if applicable); d) Check the Controller for alarms, record and clear. If applicable: e) Partlow calibration chart - check for accurate recording & alarm function; f) HK controller systems - check the sensors for accuracy & grading.			Y	Y	
3	TEMPERATURE CALIBRATION, check the: a) Temperature versus set point and record. b) Accuracy of the indicated temperature with a calibrated thermometer. If the temperature variance is more than 1 degC recalibrate the temperature sensor. If the equipment cannot be recalibrated attach a tag stating the variance and notify the site representative and facility manager. See the Special Comments.				Y	
4	HAZARDS, check the: a) Floor for any slipping or tripping hazards; and b) Container for general housekeeping, including checking if the contents are dangerously stored, are located too closely to the air handling / evaporator unit/s, are obscuring signage, lighting or the duress alarm button.		Y	Y	Y	
5	DOORS: Check the door locking bar cams for a satisfactory opening & latching operation. NOTE: If there are any safety concerns undertake the appropriate action & notify the site representative & facility manager immediately. Refer Special Comments.		Y	Y	Y	
6	DOORS: a) Remove all dirt, grit & rust from the door hinges & locking bars; b) Lubricate the hinges with oil / lubricating spray; c) Lubricate the locking bar cams with grease; d) Check the condition of the rubber gasket seals and replace if they are cracked or perished. (default time is 10 years) & clean; & e) If the seals are heated check the operation is satisfactory.			Y	Y	
7	PRESSURE RELEASE VENT: a) If fitted, check the condition and for any leaks. b) Open the vent - if difficult check for ice.		Y	Y	Y	
8	INTERNAL LIGHTING: Check the Lighting and clean if required.		Y	Y	Y	
9	EMERGENCY LIGHTING SYSTEM: Not applicable for Containers. If installed - as a best practice feature: Check the condition and operation of the Emergency Lighting within the Container and clean if required. Refer Special Comments.		Y	Y	Y	
10	EXTERNAL INDICATOR LAMP FOR "OCCUPIED" CONTAINER:		Y	Y	Y	

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	Check the Lamp is illuminated when the interior lights are on.					
11	<p>CONDITION VISUAL INSPECTION: Check the:</p> <p>a) Overall integrity and condition inspecting the key components including the door panels, vent/s, panels for any damage;</p> <p>b) Racks and/or shelves are secure and are undamaged;</p> <p>c) Drain hose is clear;</p> <p>d) Condensers and driers for corrosion;</p> <p>e) Caps and covers are fitted;</p> <p>f) Door & seal of the Control Box; and</p> <p>g) Controller, datacorder and battery packs are present.</p>			Y	Y	
12	Check the condition of the safety signage.		Y	Y	Y	
13	<p>DURESS BUTTON - ALARM SYSTEM:</p> <p>- Check the condition and operation of the Alarm.</p> <p>If applicable as this is a best practice feature & not obligatory:</p> <p>- Check the Alarm connection to the security / auto-dialler service. Refer Special Comments.</p>		Y	Y	Y	
14	<p>DURESS BUTTON ALARM SYSTEM:</p> <p>a) Take an Alarm sound pressure level measurement from 3m away & check it is a min. of 90dB(A); and</p> <p>b) Record the reading in the log book.</p>			Y	Y	
15	<p>EXTERNAL FLASHING BEACON:</p> <p>If applicable, this is a best practice feature & not obligatory:</p> <p>Check the condition and operation of the flashing beacon (or other) mounted outside the Container.</p>		Y	Y	Y	
16	<p>EVAPORATOR / AIR HANDLING UNIT:</p> <p>Check the condition & operation, including:</p> <p>a) Fans, pulleys & belts, especially for alignment, tension & wear;</p> <p>b) Evaporator coils, especially for cleanliness and obstructions;</p> <p>c) Check for any ice on the evaporator fins or pipes. If there is a build-up defrost check the defrosting system for any defects;</p> <p>d) Condensate trays and drains, including heaters if fitted;</p> <p>e) Check for any water on the floor. This may signify that an evaporator drainpipe is blocked; and</p> <p>f) Clean the coils as required.</p>		Y	Y	Y	
17	<p>REFRIGERANT SYSTEM, check for:</p> <p>a) Oil leaks;</p> <p>b) Refrigerant leaks at all joints and connectors;</p> <p>c) Correct compressor oil level;</p> <p>d) Correct moisture indicator and refrigerant charge level; &</p> <p>e) Record the refrigerant type, run hours and software version.</p>			Y	Y	
18	DEFROSTING OPERATION:			Y	Y	

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	a) Check the defrost function - auto and manual. If applicable: b) Set the defrost time for 12 hours & ensure the vents are closed unless otherwise required; and c) Place the unit on to 'Auto Pre-trip' long version.					
19	Check for excessive noise & vibration while the unit is operating.			Y	Y	
20	ELECTRICAL: Check and record the current draw and electrical insulation of the: a) Compressor motor at full operating load and compare the draw with the rated output; b) Evaporator fan motors at low speed and high speed; c) Condenser fan motors; and d) Heater elements.			Y	Y	
21	ELECTRICAL: Check the dual voltage switch & operation (if applic).			Y	Y	
22	Check the emergency power supply, if applicable.			Y	Y	
23	ELECTRICAL: Check the condition & operation of all electrical components incl: a) All safety devices; b) Power cables and plugs; c) All connections for security, tightness, contact and corrosion; d) All relays and contactors; e) All overloads and circuit breakers; & f) All indicator lights.				Y	
24	INTERNAL PANEL CONDITION: Check the internal lining for any damage or movement, particularly the joints, ceiling/wall junction, wall/floor junction and door perimeter for complete sealing integrity.				Y	
25	EXTERNAL PANEL CONDITION: Check the external panelling including the roof for any rust, particularly at joints, vent openings, depressions etc. Remove rust from any areas, seal and paint (rust proof).					Y
26	Record the results in the log book.		Y	Y	Y	Y

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Special Comments and Technical Data

B SERVICE MONTHLY
C SERVICE 6 MONTHLY
D SERVICE ANNUALLY
E SERVICE 5 YEARLY

CONTAINER FREEZERS ARE HIGH RISK PLANT IN TERMS OF SAFETY AND MAY ALSO BE HIGH RISK IN TERMS OF PERFORMANCE REQUIREMENTS/CONTROLS FOR TEMPERATURE.

IMMEDIATELY UNDERTAKE THE APPROPRIATE ACTION & ADVISE THE SITE REP. & FACILITY MANAGER OF ANY ISSUES.

PRIOR TO TESTING THE DURESS ALARM NOTIFY THE SITE REPRESENTATIVE / APPLICABLE STAFF.

THE SERVICE ACTIVITIES & FREQUENCIES ARE GENERIC & MAY NEED TO BE MODIFIED FOR THE SITE CONDITIONS, THE MANUFACTURER'S RECOMMENDATIONS &/OR PERFORMANCE REQUIREMENTS OF THE FREEZER. THIS NOTE IS PARTICULARLY RELEVANT TO ACTIVITIES 1 - 3 FOR THE MONITORING AND CONTROL OF THE TEMPERATURE VERSUS THE SET POINT & ANY VARIANCE MAY BE CRITICAL.

APPLICABLE LEGISLATION & STANDARDS: SA WH&S ACT & MINISTER'S SPEC. SA 76 (2015) & FOR FOOD STORAGE ALSO: SA FOOD ACT & FOOD SAFETY STDS. 3.1.1, 3.2.3, ASISO 22000.

ENSURE THE BREAKDOWN TECHNICIANS CONTACT DETAILS ARE WITH THE LOG BOOK & ALSO OUTSIDE THE CONTAINER. FOR CONSTANT TEMPERATURE ROOMS REFER TO ME88.

FOR COOLROOM/FREEZER ROOMS REFER TO ME89.

FOR: CONTROLLED ENV. RM: GROWTH - MECHANICAL - REFER ME189.

FOR: CONTROLLED ENV. RM: GROWTH - ELECTRICAL - REFER ME189C.

FOR: CONTROLLED ENV. ROOM: CHILLED GLYCOL - REFER ME189A.

FOR: CONT'D ENV. RM: REF. RACK COOL/FREEZER - REFER ME189B.

FOR THE EMERGENCY LIGHTING TDSs REFER TO THE F17 / F18 SUITES.

FOR THE DURESS ALARM TDS REFER TO ET30.

FOR SECONDARY & DISCRETIONARY TDS'S REFER TO:

- ME89E: SANITISATION / ME89F: CLEANING OF FAN UNITS.

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