



Star Freeze PTI Form

Container Number:	Software Version:	PTI Date:
	Shop Number / Name:	
Ambient Temp (°C):	Technician Name:	

GENERAL CHECK & VISUAL INSPECTION		
1	Check all fasteners, bolts, hatches, and doors on the machine in place and secure.	
2	Ensure compressor mountings are secure on all 3 compressors and oil level on the 2 LT compressors.	
3	Clean condenser coil where required and check for excessive corrosion or structural damage.	
4	Check wiring terminals/connections in control box and external wiring. Check the LT contactor types and ratings.	
5	Ensure wiring to all the contactors are secure, wired correctly, loomed firmly together and not impeding on door operation.	
6	Ensure the primary (LHS) LT compressor is connected to power. If RHS connected, then reconnect and test the primary compressor.	
7	Carry out an insulation check on all components, paying attention to electric heaters.	
8	Ensure the spare parts sensor bag is complete and placed inside the control box. 2 temp sensors (black wire x 2) and cond. temp sensor (red wire x 1).	
9	Ensure the control box door can be secured correctly and the door gasket is in good order.	
10	Check power cable and plug are without damage. Max 2 splices per 4 x 4.0mm ² cable. Check continuity and Ohm resistance of cable. GND wire shall be below 1 ohm. Check any splices are safe. Cable length 18m.	
11	Check R134a filter drier for decay/corrosion.	
12	Check unit piping and components for any visible leaks and all pipe insulations are free of damages.	
13	Check if all seals are mounted on the refrigerant ports; if not, advise MCI and await instruction.	
14	Check evap ball valve insulation is present and secured with cable ties. If not, remove caps to ensure all 4 valves are in the open position.	
15	Check behind the LHS panel and verify R473A cylinder is fitted, and valve is shrink-wrapped to ensure it has been unused. Check the spare charge bottle and attach correct bottle connector.	
16	Check the spare parts kit. Note item numbers and description of items missing and replenish.	
17	Ensure the reefer box has been inspected, incl. internal cleanliness and condition and position of the kick plate. The reefer unit back panel bolts are secure. Refer to the PTI SOP and MRIC for more detailed information.	
18	In battery mode, verify controller is updated with latest approved Maersk Star Freeze software.	
19	In battery mode and with box at ambient temperature check pressure on LT side is above 23 bar, PsucLT/PdisLT.	



PLUG IN, ON POWER INSPECTION AND PTI		
20	Check that alarm list in display is clear.	
21	Ensure container ID is correctly input in the unit's controller, verify unit model number (SFI-40), incl. Date and time (UTC).	
22	Check Configuration menu, line F08 Compressor to ensure it matches HT compressor type.	
23	Verify that both cargo probes are present and operational (reading box temperature).	
24	Check all components are working correctly without abnormal noises.	
25	Check colour of the light on the Sekstant device, if red, check wirings and connections, orange and green ok.	
26	Check unit is cooling – sensor readings are decreasing. Supply air must be lower than return air temperature.	
27	Check drain hose from evaporator section is not clogged or damaged.	
28	Run FULL PTI - pass achieved.	

GENERAL AFTER PTI -TEST PASSED		
29	Unplug from power supply, remove any debris from the cable tray compartment and coil up cable placing correctly into the cable tray with plug facing down position to ensure no water ingress.	
30	Remove all old PTI/customs/booking labels and non-essential stickers, and attach updated PTI sticker on dedicated spot.	