



- Steps 1 through 15 (**visual inspection**) must be performed on all Maersk Line reefer containers
- **ePTI** units must be in “green” status before inspection is carried out.
- Only **AUTO SHORT PTI** should be performed on units 7 years and older when used for frozen cargo or units younger than 7 years when used for chilled cargo.
- **AUTO LONG PTI** must be performed on units 7 years and older when used for chilled cargo.
- Any PTI types need a box inspection according to **MRIC**.
- All PTIs are valid for **180 days**.

Container Id. No:		Unit Serial No: Build year:	PTI-Date:
Place/Vessel:		Ambient temp. (Deg. °C):	
	<b>General Visual inspection</b>		
1	Check fasteners, bolts and suspensions, hatches and doors on the machine. Replace or repair.		
2	Check water cooler receiver couplings are not seized/jammed and are not damaged or missing. Replace or lubricate where required.		
3	Ensure compressor mounting brackets are intact and all bolts are properly tightened.		
4	Clean condenser coil where required and check for excessive corrosion, leakage and structural damage.		
5	Check wiring terminals/connections in control box/external wirings. Including the RCD connections.		
6	Ensure wiring to all the contactors is secure and wired correctly. Check for burned connectors and replace if required.		
7	Carry out insulation check on components including electric heaters using megger test (min 3 meg Ω).		
8	Ensure the control box door can be secured correctly and seal is in good order. Check RCD antenna.		
9	Check that the drain hose from the evaporator section is not clogged or damaged.		
10	Check moisture indicator. Check filter drier for deterioration. Replace when deemed necessary.		
11	Check power cable is at least 18m long with maximum 2 splices. Ensure proper splicing. Check for cable damages and internal wiring/connectors of plug. Replace as deemed necessary.		
12	Check pipes, connectors and components for leakages and cleanliness.		
13	Remove all debris from the cable tray.		
14	Check working condition of fresh air exchange damper. Close air ventilation damper (excluding AV+).		
15	Ensure the reefer box has been inspected including cleanliness of the box, condition and position of the kick plate. Check reefer unit back panel is properly secured. Refer to the PTI SOP and MRIC for more detailed information. Ensure doors are securely closed.		
	<b>PTI additional steps (16-25). For ePTI please proceed to steps 26-28.</b>		
16	Power on unit and check display illuminations. Ensure alarm list is clear and set temperature to -18°C.		
17	Verify controller is updated with correct software, model and correct date and time (GMT).		
18	Ensure <b>Container ID</b> is correctly updated in the unit's controller.		
19	Carry out RCD check in accordance with separate instructions.		
20	Check and test all components are working correctly without abnormal noise.		
21	Check rotation of condenser and evaporator fans. Ensure phase reversal relays are working.		
22	Check unit is cooling – sensor readings are lowering. Supply air must be lower than return air.		
23	Check compressor suction and discharge pressures are in accordance with manufactures instructions.		
24	Run <b>AUTO SHORT PTI</b> (as per PTI manual) or go to step 25 for <b>long PTI</b> .		
	<b>For LONG PTI</b>		
25	Run <b>AUTO LONG PTI</b> (as per PTI manual).		
	<b>Final steps after any PTI</b>		
26	Set temperature and ventilation according to booking requirements. If no booking info available, set temperature to 0°C, unplug unit and coil up cable correctly.		
27	Remove all foreign labels and stickers.		
28	Attach PTI sticker on dedicated spot and fill in with water repellent ink.		