

Detainable Deficiencies (Examples) Frequently Found on Hong Kong Registered Ships during PSC inspections

1) Ship's Certificates & Documents

- 1.1) Statutory certificates are not properly maintained, e.g. missing of trading certificate(s).

2) Certification and Watchkeeping for Seafarers

- 2.1) Certificate of Competency or Licence for officers is invalid.
- 2.2) Officers do not hold the required endorsement on their certificates of competency.
- 2.3) The number of officers/ratings working on board is less than the manning scale specified in its Minimum Safe Manning Certificate.

3) Lifesaving Appliances

- 3.1) Lifeboat on-load release gear is defective, e.g. hydrostatic interlock in open position and partially seized, boat hooks are not fully reset, boat hooks are in unlocked position, on-load release gear is not set as per manufacturer's instructions, etc.
- 3.2) Lifeboat fittings and accessories are defective, e.g. defective bilge pump, broken grip lines, wasted keel bolts and nuts of the foundation of boat hooks, pitting is found on stern plate, seat belts are broken etc.
- 3.3) Lifeboat engine or rescue boat engine cannot be started or the lifeboat engine is not capable of operating for not less than 5 minutes after starting from cold with the lifeboat out of water.
- 3.4) Lifeboat inventories are not placed on lifeboat or not maintained as required, e.g. insufficient quantity of drinking water, magnetic compass has a bubble, etc.
- 3.5) Rescue boat and launching arrangements are not properly maintained, e.g. davit is inoperative.
- 3.6) Personal lifesaving appliances are not properly maintained, e.g. lifejackets are not provided with lights and whistles.

4) Fire Safety Measures

- 4.1) Fire pumps including emergency fire pump and main fire pump are inoperative or with insufficient discharge pressure.
- 4.2) Water supply system including fire lines, fire hydrants, fire hoses and nozzles are found defective, e.g. fire line is temporarily repaired, fire hydrant seized, fire hose is found with leakage, etc.
- 4.3) Fire fighting equipment is not properly maintained, e.g. portable foam fire extinguishers are defective, fireman's outfits rotted, cylinder of EEBD is empty, etc.
- 4.4) Fire detection system is defective.
- 4.5) Engine room fixed fire fighting system is not properly maintained, e.g. pressure testing of CO₂ cylinders is not carried out, engine room sprinkler system is inoperative, etc.
- 4.6) Fire doors of engine room and crew accommodation are not closed or locked open.
- 4.7) Engine room ventilation fan fire damper is inoperative, holed or wasted.
- 4.8) Funnel flap is inoperative, holed or wasted.
- 4.9) Fuel oil tank quick closing valve is inoperative.

5) Stability, Structure and Related Equipment

- 5.1) Hull structure and deck fittings are not properly maintained or in poor condition, e.g. a crack is found on main deck plating, bulwark structure detached from deck plating at various locations, etc.
- 5.2) Sea chest, pipe and valve are not properly maintained or in poor condition, e.g. heavy corrosion is found on sea chest.
- 5.3) Steering gear is defective, e.g. steering gear is inoperative, steering gear is not capable of putting the rudder over from 35 degrees on either side to 30 degrees on the other side in not more than 28 seconds, under the same conditions.
- 5.4) Emergency generator is inoperative, e.g. starting arrangement is inoperative, diesel engine jacket cooling water is frozen.
- 5.5) Emergency air compressor is inoperative.
- 5.6) Cargoes are not properly secured, e.g. many containers are not secured correctly in accordance with the ship's cargo securing manual.

6) Alarm Signals

- 6.1) Bilge level alarms in engine room, bow thruster room and cofferdams are defective.
- 6.2) Level alarms of fuel oil settling and service tanks are defective, e.g. low level alarm of fuel oil service tank is defective.

7) Load Lines

- 7.1) Cargo hold hatch coamings, hatch covers and securing devices are not properly maintained. e.g. cargo hold hatch covers are badly wasted in way of rubber gasket channels, cargo hold hatch securing cleats and bolts are unsecured, etc.
- 7.2) Weathertight door is defective including corrosion on panels, stiffeners, securing devices, rubber gaskets and channels, door frames, and weather door is unable to be closed properly.
- 7.3) Air vents/air pipes are defective, e.g. fuel oil tank air vents wasted and wire meshes are missing, air pipe closing appliances are rusty, etc.
- 7.4) Sounding pipes in engine room are not properly maintained, e.g. sounding pipes of double bottom tanks are maintained in opening position, self-closing devices are missing, etc.
- 7.5) Air ventilators such as window type and mushroom type, are not properly maintained.
- 7.6) The ship is overloaded.

8) Propulsion & Auxiliary Machinery

- 8.1) Main and auxiliary machinery were defective, e.g. water leakage from main engine cylinder head, fuel oil leakage from diesel generator engine cylinder head, etc.
- 8.2) Main engine and diesel generator engine high pressure jacketed fuel oil pipes are defective, e.g. holed or broken.
- 8.3) Main engine and diesel generator engine exhaust gas pipes are found with leakage.
- 8.4) Insulation of fuel oil pipe in engine room is wetted through with fuel oil, missing or worn out.
- 8.5) Engine room is not maintained in clean and tidy conditions, e.g. machinery is oily, purifier room is oily, bilge tank tops are oily, large quantity of garbage in engine room, etc.

9) Radiocommunications

- 9.1) GMDSS radio installation is defective, e.g. MF/HF radio is not working, NBDP (Narrow Band Direct Printing) equipment is defective.
- 9.2) GMDSS radio installation reserve power supply is defective.

10) MARPOL – Annex I

- 10.1) Oil filtering equipment and/or 15 ppm oil content discharge monitor are inoperative.
- 10.2) Unauthorized by-pass discharge connection is found in the system of oil filtering equipment.

11) Safety of Navigation

- 11.1) Radar is inoperative.
- 11.2) Rudder angle indicator is inoperative.
- 11.3) Magnetic compass is not readable at helmsman position.
- 11.4) Nautical publications expired or not available, e.g. Notice to Mariners, List of lights and Fog Signals, etc.
- 11.5) Charts for the intended voyage are not updated, corrected or available.
- 11.6) Navigation bridge visibility is obstructed, e.g. navigation bridge is obstructed by containers.

12) SOLAS Related Operational Deficiencies

- 12.1) Crew members are not familiar with fire and abandon ship drills.

13) ISM Related Deficiencies

- 13.1) Officers are not familiar with operation of GMDSS radio installation.
- 13.2) The ship and equipment are not maintained according to Safety Management System.

14) Additional Measures to Enhance Maritime Security

- 14.1) Ship security is breached, e.g. access control for visitors at gangway is not carried out, verification of visitors' identities is not carried out, additional measures for checking stowaways before departure of ports are not properly carried out, visitor register is not maintained, etc.
- 14.2) LRIT compliance in the form of Conformance Test Report is not available.
- 14.3) Crew members are not familiar with security drill and their duties.

15) Additional measures to Enhance Maritime Safety

- 15.1) Continuous synopsis record documents, Form 1, Form 2, or Form 3 are not available or not originals, or not updated.

Other Deficiencies (Examples) Frequently Found on Hong Kong Registered Ships during PSC inspections

1) Ship's Certificates & Documents

- 1.1) Inspection certificates or reports for equipment are not available.

2) Certification and Watchkeeping for Seafarers

- 2.1) Certificate of medical care expired.

3) Crew and Accommodation

- 3.1) Sanitary facilities (toilets) are not properly maintained, e.g. dirty, no flush water, etc.

4) Lifesaving Appliances

- 4.1) Lifeboat is dirty.
- 4.2) Launching appliance and associated accessories including davits, floating blocks, suspension chains, shackles, rings, limit switches, embarkation platform, lashing gear, etc. are defective, rusty, or with heavy corrosion.
- 4.3) Lifeboat embarkation light is defective or wasted.
- 4.4) Lifteraft ladder is defective – ropes rotten and boards split.
- 4.5) SOLAS training manual is not maintained as required, e.g. it is not available in mess rooms or not specific for the ship.

5) Fire Safety Measures

- 5.1) Emergency fire pump suction and discharge pressure gauges are not working.
- 5.2) Open and close directions of operation are not marked on numerous fire dampers.
- 5.3) Self-contained breathing apparatus for fireman's outfit is found with low air pressure.

6) Stability, Structure and Related Equipment

- 6.1) Fuel oil settling tanks and service tanks are found with excessive oil residue on walls of the tanks and in savealls.
- 6.2) Fuel oil or lube oil tank sight glass gauge is wired open or gapped open.
- 6.3) Water ingress alarm system is not properly maintained, e.g. the system is turned off at time of inspection, sensors in cargo holds are defective.
- 6.4) Lights in various locations are inoperative or damaged, e.g. exposed decks, bosun store, paint locker, bow thruster room, emergency generator room, CO₂ room, crew cabins, etc.
- 6.5) Emergency generator starting battery is unserviceable.
- 6.6) Cargo hold hatch cover operation hydraulic system is found with leakages.
- 6.7) Gangway is unsafe, e.g. without safety net, handrails are not properly fitted or partly missing, lower platform with stanchions, etc.
- 6.8) Enhanced survey programme documents are not available, e.g. condition evaluation records.
- 6.9) Thickness measurement report is not available.

7) Alarm Signals

- 7.1) Fire visual alarm indicator in engine room is inoperative.

8) Load Lines

- 8.1) Load line marks, lines to be used with load line marks, deck line marks and draft marks are not readable.
- 8.2) Guardrails on weather decks are found defective at various locations, e.g. deformation, damage, etc.
- 8.3) Cargo hold hatch cover gasket is found defective, e.g. deterioration, etc.

9) Mooring Arrangements

- 9.1) Mooring ropes on forecastle deck and poop deck are found in poor condition.
- 9.2) Windlass and mooring winch are found with oil leakage at hydraulic motors, pipes and fittings.
- 9.3) Fairleaders on forecastle deck and poop deck are stuck.

10) Propulsion & Auxiliary Machinery

- 10.1) Engine room is not maintained in clean and tidy conditions, e.g. machinery and equipment are oily, purifier room is oily, bilge tank tops are oily, large quantity of garbage is found in engine room, numerous items of flammable or non-flammable materials are stowed on various flats of engine room, e.g. diesel oil and paint in buckets without covers, planks, rubber hoses, emptied oil drums, old spare parts, etc.
- 10.2) Pumping and piping system is defective, e.g. main engine seawater cooling pump shaft bearing collar detached from pump casing fixture, ballast pump suction and delivery valves are defective, excessive leakage is found at gland packing of pumps such as boiler feed water pumps.
- 10.3) Steam pipeline in engine room is found with leakage.
- 10.4) Insulations of diesel generator engine exhaust pipes are not provided as required, e.g. partly damaged, missing or insufficient.
- 10.5) Some pressure gauges and thermometers are missing, inoperative or not readable.
- 10.6) Main engine oil mist detector is not properly maintained, e.g. inoperative, additional pipe is connected to oil mist detector.

11) Radiocommunications

- 11.1) GMDSS radio installation is not tested as required.
- 11.2) Entries to GMDSS logbook are not carried out as required.
- 11.3) Shore-based maintenance agreement expired.

12) MARPOL – Annex I

- 12.1) List of national operation contact points of SOPEP is not updated.
- 12.2) Entries to oil record book are not properly carried out as required.

13) MARPOL – Annex V

- 13.1) Entries to garbage record book are not properly carried out as required.
- 13.2) Garbage is not stored in accordance with garbage management plan.

14) Safety of Navigation

- 14.1) Navigational equipment is defective, e.g. radar, gyro compass.
- 14.2) Compass errors are not taken and recorded every watch.
- 14.3) Navigation side light housing interior is not in matt black.
- 14.4) AIS navigational status is not updated.
- 14.5) Ship's bell is missing.
- 14.6) Passage plan is not properly prepared as required, e.g. not complied with SOLAS requirements, not updated, not berth to berth, no record of navigation activities or positions from pilot station to berth, etc.

15) ISM Related Deficiencies

- 15.1) Obsolete certificates are not removed from main certificate file.
- 15.2) Multi-gas meter/detector or combined O₂/CH₄/H₂S meter/detector calibration certificates expired.
