

IAMSA GROUP INC.

(IAG)



Departamento Técnico

From: Technical Department
Iamsa Group Inc.
Vessel Verification and Inspection

To: Marine Surveyors

Date: 18th March, 2018

Language: English

Requirements: Requirements for performing Condition Survey Inspection

Objetives: To obtain evidence about the Condition of the Ship.

ADDITIONAL REQUIREMENT TO BE CONSIDERED

Marine Circular MC 003 – Pre- purchase condition survey procedure and check list
Marine Circular MC 013 – Safety inspection in all type of vessels
Marine Circular MC 021 - Code of Conduct for Surveyor to Iamsa Group Inc.
Marine Circular MC 023 – Aide Memoir for Marine Surveyors

REQUIREMENTS

When a Pre-purchase condition survey is ordered, the attending surveyor must follow the following instructions as part of his duties and to follow other specific requirements that could be instructed in the internal Purchase Order.

- 1.- The full observance of Marine Circulars MC 003 – MC 013 – MC 021 – MC 023 is mandatory
- 2.- Condition of inspected areas must be classified as following
 - GOOD:** Condition acceptable with only minor stop rusting
 - FAIR:** Condition with local breakdown at edges or stiffeners and weld connections and/or light rusting over 20% on more of areas under consideration, but less than as defined for Poor Condition.
 - POOR:** Condition with general breakdown of coating over 20% or more of areas or hard scale at 10% or more of areas under consideration.
 - VERY POOR CONDITION:** Condition of unacceptable condition of the ship.
- 2.- The following information/data must be collected and provided
 - a) Ship's particulars as required in form IAG 501
 - b) Ship's certificate list as required in form IAG 501
 - c) Ship's surveys information as required in form IAG 501 (*some of this information can be collected from Equasis, if this is so, inspector must verify accuracy of information*).
- 3.- The following pictures must be provided
 - a) Minimum of 20 pictures of External Hull Condition (visible side)
 - Bow
 - Quarter
 - Shell Plating
 - Close up of any defective item observed
 - Poop
 - Mirror
 - b) Minimum 50 pictures of Deck Tour, showing the following
 - Deck plating
 - Pitting condition
 - Coating condition
 - Any spill sighted on deck
 - Hydraulics leaks sighted
 - Auxiliary machinery on deck
 - c) 10 – 20 pictures from **Winches and its parts** showing the general condition, such as:
 - cover plating,
 - drums, sleeves,
 - pawl,
 - oil sump,
 - gear parts,

- bearing bracket,
 - winch foundation.
- d) Minimum 12 pictures of each **side coamings** and their parts such as: (*pictures must identify which coaming is reported*)
- brackets,
 - coaming hatch stays,
 - screw cleats,
 - balancing roller,
 - sheave for hatch closing rigging arrangement,
 - foundations,
 - junctions,
 - cracking failure if any.
- e) Minimum 20 pictures of each **hold** (*the following list is for a bulk carrier hold type*)
- Transverse bulkhead
 - Lower stool
 - Upper stool
 - Side shell frame
 - Side shell plating cover (is applicable)
 - End brackets
 - Floor plating
 - Topside tank inside plating (sloping plating)
 - Brackets
- f) Minimum 20 pictures of **bridge and operational equipment**.
- General view of bridge deck
 - General view of wings.
 - Picture from monkey island.
 - Navigation equipment
 - Chart room
 - Communication equipment
 - Radars, antennas
- g) Minimum 6 pictures of each auxiliary machinery, add 4 or more extra pictures for each defective equipment.
- Generators
 - Bilges
 - Purifiers
 - Air compressor
 - Piping system
 - Void spaces

- Sewage plant
- Oily water separator
- Etc.

Main engine from the top (1 or 2 picture of each item)

- Main engine
- Each cylinder
- Each cylinder heads
- Governor
- Piping system
- Cranck angle
- Fuel pumps (at main engine)
- Servo oil pump
- Supply unit
- Rail unit
- Injector

h) Minimum of 10 pictures of bilges

i) Minimum of 20 pictures of funnel, fire dumpers, etc.

j) Minimum of 30 pictures of crew accommodation spaces: laundry, cabins, toilets, galley, messroom, etc. – Please include pictures of fire doors, refrigerators, deck stores, etc.

k) Minimum 10 pictures of air conditioning plant. Look for leakages.

l) Minimum 20 pictures of each inspected tank showing:

- Condition of anodes,
- Condition of coating,
- Condition of framing,
- Condition of piping,
- Condition of valves
- Condition of plating, look for corrosion.

m) Minimum 20 pictures of each cranes – *See MC 003 for specific requirements.*