

**CCGS Martha L. Black**  
**Davit's inspection specification 2015**  
**F3012-15 IN834 Annex A**

Davits: Lifeboat (SWL 10400 kg), working barge (SWL 8734 kg) and Miranda type davit (SWL 3900 kg)

- Perform cables disassembly and inspection;
- Referring to the plans provided by the CCG, identify and dismantle of all the blocks, sheaves, axes identified and to clean each room for inspection;
- Each block and sheave should be cleaned by sandblasting, and conduct a visual inspection and NDT testing. The paths must be cleaned of grease on the bearings, sheaves, pulleys etc.;
- All the axes, pivots, bearings should be measured and recorded in two books provided by the contractor, provide a copy to chief officer of the ship and a copy to the Inspector of TC/MI. The parts to be replaced will be identified in the books and dimensions of the parts replaced must also be noted. All axes must be checked by an NDT test;
- All defective and found worn parts will be replaced by equivalent parts supplied by the contractor. The extra costs will be negotiated on Form 1379 by an appropriate description;
- The Contractor will be responsible for contacting the inspector of TC/MI, the project officer of the ship and the chief officer for the inspection of all parts prior to painting and reassembly;
- After inspection and acceptance by a TC/Marine Safety inspector, it is necessary to repaint the blocks, sheaves and the davit's steel structures that have been damaged. The painting will be provided by the ship;
  - o Primer: INTERGARD 264 RAL 9003 (white), thickness: 159 microns (.0062 inches) wet 127 microns (.005 inches) dry (as recommended by the manufacturer);
  - o Finish: INTERTHANE 990 RAL 9003 (white), thickness 88 microns (.004 inches) wet 50 microns (.002 inches) dry;
- All davits then be refitted properly lubricated with grease supplied by the ship. Pulleys and shafts should be greased before assembly. Bolts used on shafts lock's should be coated with anti-seize compound during installation. The wires must be re-installed on their davit's, after a visual inspection;
- Perform verification of disc brake and centrifugal brake on each of davits. Clean the inside and bands. Reinstall mechanisms and adjust;
- Check the limit switches for correct operation.

**CCGS Martha L. Black**  
**Davit's inspection specification 2015**  
**F3012-15 IN834 Annex A**

- After reinstalling all parts of the davits, the contractor will perform a load test to 110% of SWL (weight of the boat in operational state over the distributed weight equal to the number of people that the boat is fit including pulleys and derrick stay plus a 10% safety factor) for each of davits. The necessary weight (certified weight) for test shall be provided by the contractor. All tests must be carried out in the presence TC/MI, CCG (project officer and chief officer);
- The contractor will return the weight used for various tests and reinstall the boats at their respective location;
- The contractor will provide the services of a crane;
- The Contractor shall provide certificates to the ship;
- Test weight data:
  - o Miranda davit  $SWL\ 3900\ kg \times 1.1 = 4290\ kg$
  - o Lifeboat davit  $SWL\ 10200\ kg \times 1.1 = 11225\ kg\ total, 5610\ kg\ per\ arm$
  - o Barge davit  $SWL\ 12000\ kg \times 1.1 = 13200\ kg\ total, 6600\ kg\ per\ arm$
- Perform a visual re-inspection of the davit components after the test to detect any defects.