The Full Condition Pre Purchase Survey

That's how we perform it

Phase 1: Hull inspection
(fibreglass)

- We carry out a visual Inspection of entire underwater body, thus finding osmosis or impact traces, or any other flaw; the visual inspection also includes keel, propeller shaft or sail drive, propeller and rudder; we'll remove locally small patches of antifouling, to see gel coat condition
- Then we proceed with a tap test, thus acoustically finding laminate flaw
- Eventually we'll perform a moisture test: by means of a moisture meter we'll check for moisture content in fibreglass, that should fall within given parameters; moisture may find its way in the laminate by osmosis, through keel bolts, seacocks or other leaks. For this test the boat should be hauled out 2-3 days before the survey.
- The inspection could be completed by other non destructive tests, like Ultrasound or Thermal Imaging.


Gel coat inspection


Flexed hull


Propeller


Mould disbonding


Mould crack

Phase 2: Frames Inspection
(fibreglass)

- Before the launch we'll inspect boat's frames, thus evaluating their integrity; so we can find mould disbonding or cracks on frames and stringers, bolts corrosion and other structural flaws.

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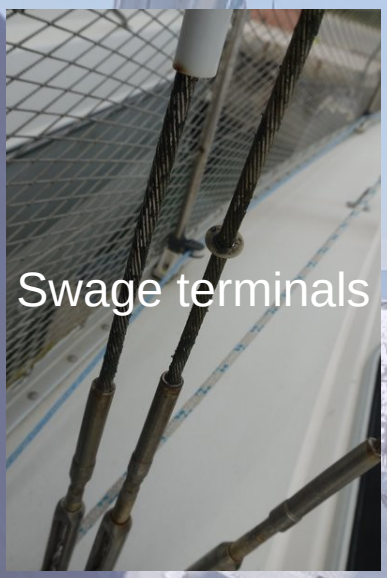
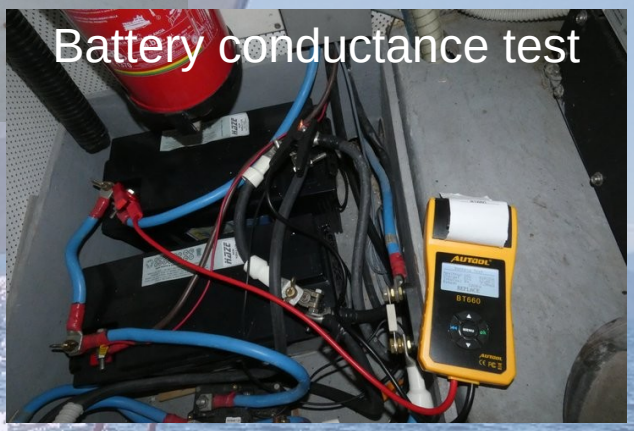
Phase 3: Deck, rigging and accommodation

- Such inspection may be performed both afloat and ashore; we'll inspect the deck, its woodwork, hardware (rails, bollards, pulpits,...) equipment (winches, windlass, gangway,...) and rigging
- Mast and rigging are inspected at deck level only, unless the boat is afloat and there are people enough to ensure a safe mast climbing; in this way all mast, spreaders and rigging can be closely seen


Mast collar corrosion


Swage terminals


Battery conductance test


Sail drive oil check


Fore peak

Phase 4: Sea trial

All boat's systems will be tested:

- Engine, tested at various rpm up to full throttle
- Electrical system, both DC and AC
- Plumbing and toilets
- Bilge system
- Navigation equipment
- The sails are hoisted and tested, or, at least, inspected aloft


Sail check

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