



**PATTON MARINE SURVEYORS
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Our Time and Experience
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File No.: 13935-26

Page 1 of 4

**RE: "LIV MAS", 2017,
85' Ocean Alexander Motor Yacht**

RECOMMENDATIONS

Notes:

- A. The items marked with a star (★) should be taken care of for safe operation and/or insurability.
- B. Many of the following items describe systems that are either not operational or not functioning properly.
- C. Most of the other items are considered to be issues of general maintenance.
- D. In addition to this recommendation list, there are 34 pages of survey text which is an integral part of the report and should be read in conjunction with these recommendations.

GENERAL:

- 1. It is recommended that the buyer or buyers agent be provided with a written affidavit from the seller stating that the above named yacht is free and clear of any liens, fines or debts.

SAFETY EQUIPMENT:

- 1. ★No Current Compass Correction Card was sighted onboard. If the compass Deviation exceeds 5° after dry docking or after 1 year, swing the compass and provide an up dated deviation card.
- 2. ★File a waste management plan onboard as per US Coastguard regulation.

TANKS:

- 1. Comment Only: All onboard liquid contents tanks were visually examined, externally only. Unless otherwise mentioned in the "RECOMMENDATIONS" section of this report, no external signs of leaks or damage were found during these examinations. It is to be noted that the tanks are not totally accessible or visible on all sides. For a complete evaluation of tank tightness, they should be hydro-tested.

FRESHWATER SYSTEM:

1. There is a water drip on the aft UV purification lamp fitting. Tighten and monitor.

BLACK WATER SYSTEM:

1. The black water anti-siphon valves were reported to be stuck open and black tank flies and a fowl odor were found in the guest bilges. Recommend servicing the valves, flushing the tank installing or replacing the inline charcoal filters.

THROUGH-HULLS:

1. Comment Only: As an annual maintenance project, it is recommended that all of the seacocks and sea strainers be disassembled, cleaned, inspected, and lubricated.

RUNNING GEAR:

1. The port strut bearing top clearance was measured with a feeler gauge at .065 and the Starboard was measured .055 anticipate replacing the bearings at the next haul out.

ELECTRICAL & BONDING SYSTEM:

1. Service house and generator batteries are dated 01/2019 & 02/2020 they are nearing there typical life expectancy recommend replacing all old batteries.
2. The bonding system was checked by measuring the impedance in Ω 's which should measure 1 or less the port and starboard were 4.5 Ω 's this indicates that the bonding wire terminal connection the copper bonding strap needs cleaning.

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TEAK DECKS:

1. There is an wet open seam on the starboard forward main deck, recommending reefing and re-caulking.



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2. There is a checked outer corner margin on the port swim platform repair or replace.



SUGGESTIONS ONLY:

Note: All of the following items are considered to be improvements and upgrades that an owner and/or his captain and crew may want to consider. The yacht has run fine without any of the following.

1. Affix a proper size emergency wooden plug near each through-hull.

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