

BOAT INSPECTION CHECKLIST

Outside Inspection

- 1 Transom rot - hammer taps sound hollow in some places; core is soft/crushed under stbd towing eye. Numerous sealed holes. No deflection of outdrive when I jumped on it.
- 2 Bellows condition - New; shift cable bellows also new.
- 3 Scupper thru hull condition - Brass thru transom, good condition. Connecting hoses should be checked for rot. 2 smaller thru hulls in transom are connected w/hose, could be removed.
- 4 Outdrive external corrosion - Minimal corrosion; a couple of nuts holding upper drive to gimble are rusty.
- 5 Engine condition - cracked belts/wiring/hoses, corrosion, gasket leaks, corrosion - excellent; had been sprayed w/CRC; spare belt strapped aft of fwd mount so belt can be replaced w/o removing mount.
- 6 Prop condition/Anti-seize on splines? - painted Al prop, no nicks or dings.
- 7 Oil: Engine, Upper & Lower gear oil condition (loosen lower plug, ck for H2O) - LU gear oil checks good, no H2O.
- 8 Rub rail/ gunnel/hull - spider cracks/signs of dock wallop? - Nice rubber rail w/SS insert.
- 9 Hull Gel coat condition - yellow paint (Imron?); numerous dings on bow/stem & stbd transom corner. 1"x1" peal at galley seat sink drain thru hull.
- 10 Keel - signs of rough power loading? Yes, ~ 1' x 4" wide area repaired with multiple layers of 1708/epoxy.

Trailer - Magic Tilt ~98 vintage, came with Fr. Franks's Seafari, towed from Lutz, FL. Several months ago w/o incident.

- 1 Bunk carpet & pad condition - excellent; plastic strips on top of bunks.
- 2 Lights/wiring/connector condition - didn't check, assumed good.
- 3 Tire condition/size/load range/age - 175/80D13; 5 lug galvanized rims, 4.25" bolt circle
- 4 Condition of brakes & disks - No brakes; hubs look ok.
- 5 Bearing Buddy used/condition - yes, on all 4 wheels; rusty but servicable
- 6 Signs of inboard seal leakage - nothing obvious.

Questions:

- 1 How often in boat used? Type of usage? Eng hrs? Owner said mostly short trips, longest is to Jupiter, ~10 mi. Estimates ~ 100 hrs since OH 12-13 months ago, which sounds unusually high; I'd guess more like 50 hrs.
- 2 Problem history on engine? Blowby reported as reason for overhaul; bored/honed/ new pistons, rings & valve job, head surfaced.
- 3 Any lower unit problems? None reported. Shifts good.
- 4 Date of last water pump change? 12-13 months ago.
- 5 Is Stabil or equiv. used? No; ~ approx 5 gal of rec 90 gas in tank.
- 6 Has fuel tank ever been removed or inspected? New tank ~ 2 years ago.
- 7 Any recent compression checks? Compression checked as follows: 1 - 130, 2 - 150, 3 - 147, 4 - 118; Avg 136.25 Spec for 2.5L Dodge Dakota 4 cyl (appears to be same engine) is 120-150 psi, max allowable delta between cyls is 30.
- 8 Ever checked manifold vacuum at cruise? No, but I've seen similar rigs cruise at about 25 mph @ 7" Hg.
- 9 Max & Cruise rpm/mph/gph or mpg? See 11/1969 Boating Magazine Test.

Onboard Inspection

- 1 Soft spots: Deck, gunnel, cockpit sole - None; owner had recored tank hatch. Did not check front deck.
- 2 Spider cracks in gunnel over teak rod holders? No rod holders.
- 3 Top condition - corrosion, top fabric condition No top. Windshield has studs for Lift-R-Dot fasteners
- 4 Condition of cover and side curtains None
- 5 Steering & shift cable condition - replaced new ~ 13 months ago.
- 6 Fuel hose type & condition - Replaced new w/ tank ~ 2 yrs ago; vent hose looks very old.
- 7 Wiring condition - functional, engine wiring looks good, but wiring between helm & engine needs to be wrapped in loom.
- 8 Age of batteries, voltage reading - Batt 1 dead during compression check, Batt 2 ok; IP VM showed ~13.8 volts with engine running (normal).
- 9 Trim tab function, pump & switch condition - No trim tabs; SE Sport fin on cav plate.
- 9 Outdrive Trim function, pump & switch condition - worked well; shift/throttle control & trim switch look fairly new.
- 10 Cabin door, bulkhead & fwd hatch condition - No cabin door; hatch supports & latch hook missing. Bulkhead probably rotted at bottom.
- 11 Cabin cushions & overhead mouse fur condition; window leaks? - Three 3" thick vinyl cushions in good condition; no obvious window leaks.
- 12 Marine head: condition of pump, hoses & thru hulls Head has been removed, hull patched w/1708/epoxy.
- 13 Fwd bulkhead, tabbing to stringers - Both sides look good.
- 14 VHF function, antenna & wiring condition, spider cracks around mount pad? None
- 15 Engine instrumentation Nice tach, electronic fluxgate compass, oil pressure, volts; temp gage, trim gage and gas gage don't work. Gas tank has new WEMA sensor, so may be wiring problem. Temp gage need to be fixed! Can live w/o trim gage.