

GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com



SURVEY REPORT VESSEL: Contender 31 Open

Prepared by: Bill Gladding SAMS-AMS® #810
Society of Accredited Marine Surveyors

TABLE OF CONTENTS

SURVEY BASIC DETAILS	3
VESSEL & MACHINERY DATA	3
RECOMMENDATIONS	3
VALUATION	4
APPROVAL	4
SCOPE OF SURVEY	6
VESSEL GENERAL DESCRIPTIONS	6
SURVEY FINDINGS	7
UPGRADES/REBUILDS	7
TRIAL RUN	7
HULL ABOVE WATERLINE AND RELATED	8
Hull structural elements	8
Topsides	8
Deck drainage	8
Decks & superstructure	9
Exterior soft goods	9
Exterior hardware	9
Tie-up gear	9
Exterior hatches, portlights and doors	9
HULL BELOW WATERLINE AND RELATED	10
Hull below the waterline	10
Trim tabs	10
Thru-hulls, seacocks, transducers	10
TANKS, PIPING AND RELATED	10

GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com

Fuel	10
Potable water.....	11
ENGINES, AND ENGINE AND VESSEL CONTROLS	11
Engines.....	11
Engine controls	12
Engine instrumentation	12
Steering	12
EQUIPMENT	12
Pumps dewatering and utility.....	12
Trailer.....	12
Accessories	13
ELECTRICAL SYSTEMS	13
Galvanic corrosion protection.....	13
DC electrical system	13
Battery charging devices.....	14
Storage batteries.....	14
ELECTRONICS AND NAVIGATION EQUIPMENT	14
SAFETY EQUIPMENT	14
Fire safety equipment.....	14
Signaling devices	15
Navigation lights.....	15
Flotation devices	15
Ground tackle.....	15
Additional required (non-safety).....	15
SUMMARY REMARKS AND NOTES	16
REGULATORY AND/OR STATUTORY DEFICIENCIES	16
STANDARDS DEFICIENCIES.....	16
SUGGESTED REPAIRS AND/OR CHANGES	16
PHOTOS	17

GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com

SURVEY BASIC DETAILS

SURVEY PURPOSE: prepurchase
FILE #: 2024-07-26 Contender 31 Open 2004

REQUESTED BY: xxxxxxxxxxxxx
REPORT DATE: July 28, 2024

CLIENT INFORMATION: xxxxxxxxxxxxx
OWNER INFORMATION: xxxxxxxxxxxxx

SURVEY DATE: July 26, 2024
SURVEY LOCATION: xxxxxxxxxxxxx
ATTENDING: client & sellers
ENGINE SURVEYOR: basic external checks & engine computer downloads

VESSEL & MACHINERY DATA

Vessel identification numbers (source: transom upper stbd corner & hull sides near bow)

Hull ID #: xxxxxxxxxxxxx Registration #: xxxxxxx

Vessel type and dimensions (source: Powerboat Guide)

Manufacturer: Contender Boats Inc. Model: Contender 31 Open Model year: 2003 Length: 31'3"
Beam: 9'4" Draft: 1'6" Weight lbs.: 10,450 Hull composition: fiberglass

Engines (source: engine decals)

Type and #: twin outboard Horsepower: 300@5,500 rpms Fuel type: gas Manufacturer: Yamaha
Model: F300NCA2 Serial #: port (6CEN1062623), stbd (6CEN1062560)
Hours: port (xxx), stbd (xxx)

Trailer (source: stamped on trailer & trailer decal)

VIN #: xxxxxxxxxxxxx Tag #: on order Manufacturer: Owens & Sons Marine
Model: DB2TRAS03115000 Model year: 2005 Length: 31' Capacity: 15,000 GVWR

RECOMMENDATIONS

(Items on this list should be addressed on a priority basis)

1. **One portable handheld fire extinguisher found aboard; install at least one more.**
 2. **Unexpired visual distress and/or electronic distress signals & flags not found aboard; put aboard at least three unexpired USCG approved day/night visual distress signals or other type USCG Approved system that satisfies the requirement (certain battery powered beacons accompanied with a day signal are now approved).**
 3. **Sound signaling device(s) were not found aboard; install hull mounted horn and/or put aboard handheld horn or whistle.**
 4. **Lifejackets not found aboard; put aboard at least one lifejacket preferably Type I offshore for each passenger who will be aboard.**
 5. **Throwable flotation device(s) were not found aboard; put aboard at least one Type IV ring buoy, cushion or other USCG approved Type IV throwable flotation device.**
-

GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com

6. Anchor and rode not found aboard; put aboard at least one anchor, chain lead and line rode.

(In addition, see Summary Remarks and Notes section at end of survey where the above are also cited)

This vessel was surveyed using the USCG 33CFR requirements and NFPA and ABYC standards and recommendations in effect today for guidance. This survey addresses those items thought to be necessary for safety but does not suggest complete compliance with current regulations or standards and recommendations.

INTENDED USE: recreational

SUITABLE FOR INTENDED USE: yes (upon completion of recommendations cited above)

NAVIGATIONAL LIMITS (as equipped): warm coastal waters

For regular use more than 12 miles offshore suggest carrying Epirb and offshore type lifejackets

Warm water means water where the monthly mean low water temperature is normally more than 59 degrees Fahrenheit

VALUATION

Subject vessel was found to be in overall above average condition. It has less than expected wear and tear, appears well maintained and was reported to have been repowered in 2019 with new 300 horsepower outboards that have warranties remaining into 2025. In the valuation determination, cost and market comparison approaches to value were considered on July 28, 2024. In the sales comparison approach Yachtworld.com and the subscription website Soldboats.com was reviewed. Current listings and actual reported sales figures were taken into consideration. Price Guide “Book” values were also taken into consideration. In the opinion of the undersigned the following values should apply:

Estimated current fair market value: \$XXXXXXXX

Market value assumes correction of significant survey findings

Replacement cost: \$380,000 (based upon sale of new comparable)

Values are dependent on the limiting conditions and assumptions noted in the report.

These values are statements of opinion. No guarantee can be given that these opinions of value will be sustained or that they will be realized in an actual transaction.

Specific references

Pricing guides

Bucvalupro.....\$132,731 to \$141,731 (better condition)

NADAguides.com..... no information

Powerboat Guide..... prices not given

(Options not added to guide values unless noted otherwise)

Current listings

Yachtworld.com & Boatrader.com.....\$124,977 to \$205,000

(5 results – list includes various 1998 to 2006 model year Contender 31 models)

Reported sales

Soldboats.com.....\$89,000 to \$200,000

(10 results – searched January 2023 to present)

APPROVAL

This survey may be used for valuation, insurance, or mortgage requirements. This survey checks for compliance with U.S. Coast Guard regulations and American Boat and Yacht Council, Inc.

GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com

Recommended Standards and Practices. In addition, the general structural condition of the vessel and suitability for its intended service will be examined.

The undersigned has conducted this survey and issued this report for the sole use of the specified requesting party for an agreed fee based upon the intended use of the report; accordingly, others are not to use this report and not rely upon the contents of this report without payment to the Company of an additional agreed fee based upon the reevaluation of the same factors.

The survey contains opinions and observations based on my skill, experience and training as a marine surveyor and consultant. Acceptance and use of this report by the client acknowledges the client's understanding that the report has been composed of information that is believed to be true after reasonable investigation and inquiry but is not warranted to be so. The information was obtained without drilling, diving, ultrasonic testing, cleaning, or opening up to expose parts or conditions ordinarily concealed. There were no tests for tightness or soundness conducted other than the conditions noted visually.

Acceptance and use of this report acknowledges the client's understanding that no determination of stability or structural strength has been made and no opinion is expressed. Acceptance and use of this report acknowledges the client's understanding that Gladding Marine Surveying and Consulting, LLC does not accept any responsibility for damage or deterioration not found or discovered during the course of survey, nor for consequential damage, deterioration, or loss due to any error or omission.

The Client hereby undertakes to keep the Surveyor/Consultant and its employees, agents and subcontractors indemnified and to hold them harmless against all actions, proceedings, claims, demands or liabilities whatsoever or howsoever arising which may be brought against them or incurred or suffered by them, and against and in respect of all costs, loss, damages and expenses (including legal costs and expenses on a full indemnity basis) which the Surveyor/Consultant may suffer or incur (either directly or indirectly) in the course of the services under these Conditions.

Notwithstanding the above clause, in the event that the Client proves that the loss, damage, delay or expense was caused by the negligence, gross negligence or willful default of the surveyor/Consultant aforesaid, then, save where loss, damage, delay or expense has resulted from the Surveyor's/Consultant's personal act or omission committed with the intent to cause same or recklessly and with knowledge that such loss, damage, delay or expense would probably result, the Surveyor's/Consultant's liability for each incident or series of incidents giving rise to a claim or claims shall never exceed a sum calculated on the basis of ten times the Surveyor's/Consultant's charges.



William K. Gladding, AMS® #810
Society of Accredited Marine Surveyors
Gladding Marine Surveying and Consulting, LLC

GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com

SCOPE OF SURVEY

The vessel was inspected in and out of the water without making removals or opening parts normally concealed and without making borings to ascertain thickness or condition of structural members. Because of this, some areas were not reached behind cabinetry, under decks and other areas not readily accessible. Fixtures and appliances were powered up and exercised where indicated. Locker doors and drawers were worked and examined for proper function. Potential leak sources such as portlights and deck hatches were examined for evidence of water stains or other indications of leakage. The hull exterior was inspected visually for defects. In addition, other non-destructive methods may have been used such as tap testing or employing moisture detection equipment. The underwater gear and other fittings were inspected and checked for indications of damage, abuse, or excessive wear. The vessel was attended during a trial run during which various readings regarding the vessel performance were monitored and systems aboard were observed while functioning.

Key to highlighted comments as follows:

- Positive comment related to safety or functionality
- Informational comment no finding generated
- High priority finding related to safety, utility, or reliability
- Moderate to low priority finding related to utility or reliability

Test equipment that may be referenced in the report:

- Tramex Skipper or GE Aquant moisture meter
- Flir® C3 infrared camera
- AC electrical circuit analyzer
- AC electric three light plug in tester
- Non-contact digital tachometer
- Multi-meter electrical tester
- Assorted hammers and measuring devices
- Loos gauges to check rigging tension

VESSEL GENERAL DESCRIPTIONS

Exterior arrangement – mono-hull powerboat noted the following:

- Hull – V-bottomed planing type with liftings strakes; stem is raked forward and hull sides outward at bow; curved sheer slopes downward slightly, more sharply near the stern then level to the inner transom; full height transom stern has integral engine bracket and full height inner transom
- Decks and superstructure – single level cockpit sole, wide gunwales, center console with T-top and helm seat/leaning post

Structural elements

- Hull skin material and type cosmetic finish – molded fiberglass, gelcoat cosmetic finish
- Hull grid system layout and materials – four continuous fiberglass stringers, transverse supports at various intervals between
- Hull deck joint – overlapping flanges mechanically fastened
- Decks and superstructure materials and type cosmetic finish – solid and cored molded fiberglass, gelcoat cosmetic finish

GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com

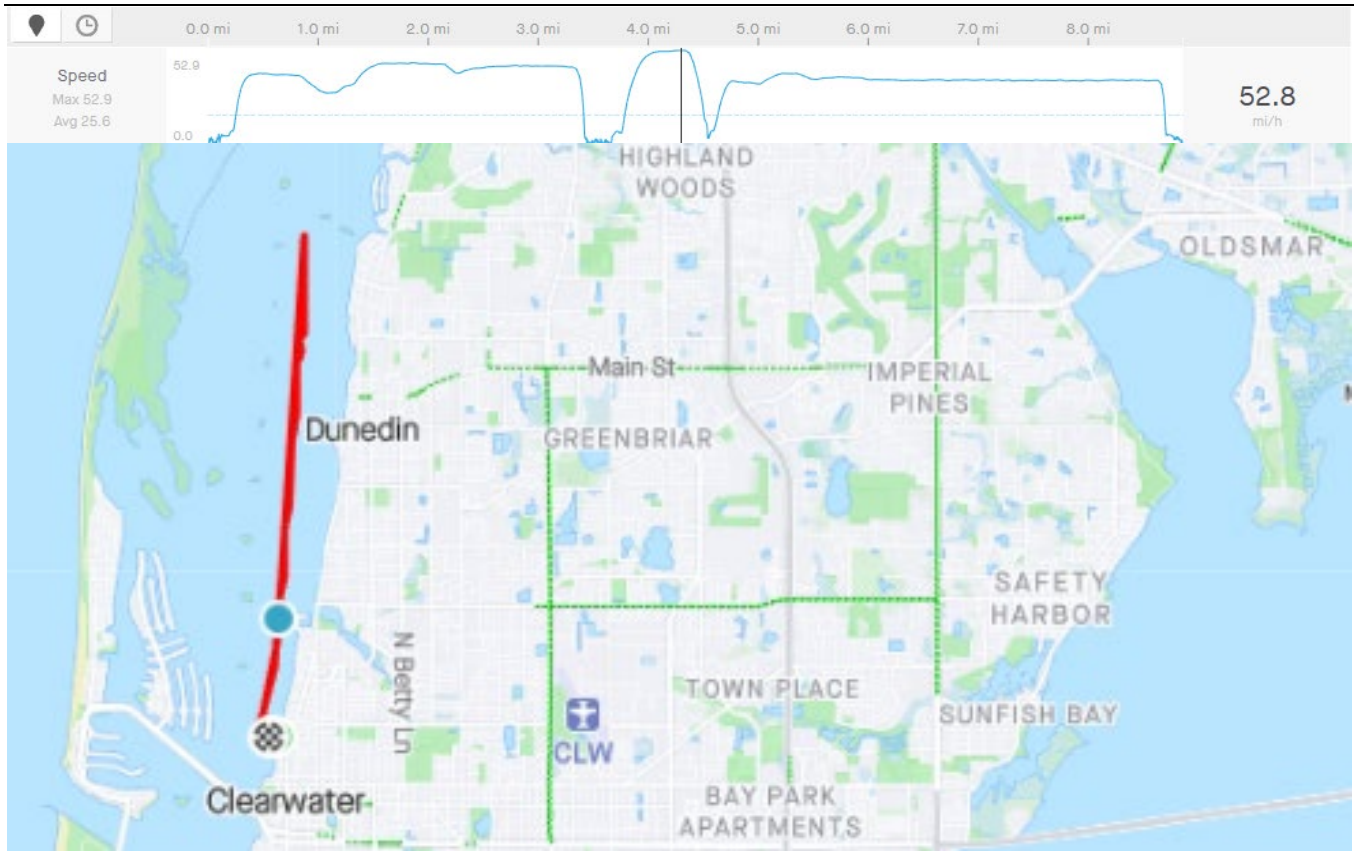
SURVEY FINDINGS

UPGRADES/REBUILDS

Including but not limited to the following as noted during survey:

- Newer outboards
- Navigation electronics newer
- Trailer reconditioned

TRIAL RUN



- Date – July 26, 2024
- Location - ICW
- Conditions:
 - Temperature °F (87)
 - Wind direction & velocity mph (SE@3.1)
 - Wave height estimated (calm)
- Duration – approximately 30 minutes
- Number of passengers - three
- Tanks levels:
 - Fuel – 100%
 - Water - unknown
 - Waste – n/a

GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com

- Hull performance – vessel performed well in all respects. Engine RPMs – speed MPH noted as follows:
 - 3,500 – 29.1
 - 4,400 – 39.4
 - 4,800 – 42.8
 - 5,000 – 45.2
 - 5,800 – 52.7
- Engine performance:
 - Cold start - normal
 - Wide open throttle rpms (5,500 desired) – 5,800
 - Temperatures and pressures – normal (no alarms occurred)
- Comments – uneventful trial-run with full gas tanks

HULL ABOVE WATERLINE AND RELATED

Hull structural elements

Condition: above average

Condition of structural elements such as stringers, transverse framing, bulkheads, partitions, and other similar type hull supports based upon visual inspection to insure they are maintaining their proper shape and remain securely attached, tap tested to insure they are not delaminated or deteriorated and in some cases examined using a moisture meter

Topsides

Structural condition: above average

Structural assessment based upon visual examination of hull's shape for damage, distortions, sagging, hogging or other signs structure is failing or is not adequately supported; moisture testing to locate areas where abnormal readings may indicate deterioration of laminates or cores; and tap testing areas that are suspect because of abnormal indications from visual inspection and readings from moisture meter

Cosmetic condition: average or better

Cosmetic condition of paint, gelcoat and varnish based upon surveyor's opinion of appearance compared to similar type vessels considering factors such as gloss, extent of oxidation, flaking, discoloration, wear and tear or other factors

Condition other features: above average

- Chaffing gear – hull/deck joint (rubber with rope insert)
- Swim platform – integral hollow
- Permanently installed means for reboarding – port swim platform (telescoping stainless-steel)

Comments - Reboarding ladders should be secured in a way they can be deployed by passengers who may find themselves in the water unexpectedly, so they may reboard unassisted.

Deck drainage

Primary drainage system: transom gate

Other drainage systems: scuppers Condition: average

Weather decks with in-hull drain systems: cockpit sole

Comments - Surveyor has witnessed several sinking and flooding events due to clogged deck drains backing up rainwater on deck then flooding to hull interior. In order to prevent this type of event from occurring deck drain fittings and piping should be maintained leak free, kept clean and free of debris and

GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com

hatch seals maintained to prevent water from leaking to hull interior or accumulating on weather decks and spilling to hull interior.

Decks & superstructure

Structural condition: above average

Structural assessment based upon visual examination of hull's shape for damage, distortions, sagging or other signs structure is failing or is not adequately supported; moisture testing to locate areas where abnormal readings may indicate deterioration of laminates or cores; and tap testing areas that are suspect because of abnormal indications from visual inspection and readings from moisture meter

Cosmetic condition: above average

Cosmetic condition of paint, gelcoat and varnish based upon surveyor's opinion of appearance compared to similar type vessels considering factors such as gloss, extent of oxidation, flaking, discoloration, wear and tear or other factors

Exterior soft goods

Condition/appearance: above average Wear & tear: not significant Serviceable: yes

Location & type (installed at time of survey):

- Trolling motor cover
- T-top shade
- Console spray shield
- Helm cover
- Helm seat cover
- Outboard covers

Exterior hardware

Condition/appearance: above average Anchoring & bedding appeared adequate: yes

Location & type:

- Handrail (sectional aluminum)
- T-top frame (welded aluminum)
- 16 x gunwale & center console rod holders (stainless-steel)
- 6 x T-top rod holders (aluminum)

Tie-up gear

Condition/appearance: above average Anchoring & bedding appeared adequate: yes

Location & type:

- Foredeck (1 x stainless-steel pop-up horn cleat)
- Amidships (2 x chrome plated horn cleats & hawses)
- Transom (2 x stainless-steel pop-up horn cleats)

Exterior hatches, portlights and doors

Condition/appearance: above average Function: normal Gaskets and seals: appeared serviceable

Location & type:

- Hinged hatches & locker lids (molded fiberglass)
- Console door (molded fiberglass)

GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com

- Transom gate (molded fiberglass opening, plastic door)
- Swim platform handholes (plastic)

Comments - Hatches, portlights, doors, etc. used for primary and emergency ingress/egress, and access to gear and equipment were thoroughly checked for condition and function. Others were examined for general condition and evidence of leakage but not operated.

HULL BELOW WATERLINE AND RELATED

Hull below the waterline

Structural condition: above average

Structural assessment based upon visual examination of hull's shape for damage, distortions, sagging, hogging or other signs structure is failing or is not adequately supported; tap testing for purposes of comparing variations in tap sound indicative of previous repairs, delaminating, moisture intrusion or blistering; and moisture testing if hull is sufficiently dried and does not have coatings that interfere with moisture meter function to locate areas where abnormal readings may indicate deterioration of laminates or cores

Cosmetic condition: above average

Cosmetic condition based upon surveyor's opinion of hull appearance compared to similar type vessels considering factors such as paint build-up, smoothness of hull, blistering and other features that affect its appearance

Trim tabs

Condition/appearance: above average Exceptions noted: none

- Manufacturer – Bennett Marine
- Type – 12-volt electric hydraulic
- Controls – dual rocker switches
- Pump – inside center console (2)
- Planes – 15" wide x 18" long recessed hinged stainless-steel single actuators
- Test performed – examined for damage, excessive wear and leakage, and while resting on trailer

Thru-hulls, seacocks, transducers

Condition/appearance: average or better Exceptions noted: none

- Underwater – bronze & stainless-steel alloy fitted with ¼ turn valves with stainless-steel clamps on hoses connections in the cockpit aft end below sole:
 - Raw-water pumps inlet
 - Scupper drains
 - Transom drain plug
- Topsides – stainless-steel
- Transducers – cockpit aft end below sole (2) & transom (1)

TANKS, PIPING AND RELATED

(Capacities listed in this section are based upon published specifications for this model unless stated otherwise. Accuracy of tank level monitors should be verified prior to relying upon their readings.)

Fuel

Found the following to be in average or better condition without evidence of leakage to level filled where accessible for inspection:

GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com

- Tanks – 400-gallon capacity contained in three aluminum tanks secured cockpit aft end below sole
- Fills – cockpit gunwales port (2) & stbd sides (1)
- Vents – hull sides
- Plumbing materials – USCG Approved Type-A1 flexible hose
- Shut-off valves – transom bilge (fuel filters)
- Filters – transom bilge (2 x Yamaha stainless-steel)
- Pumps – n/a
- Level gauges – helm console
- Test performed – examined for evidence of leakage

Potable water

Found the following to be in average or better condition without evidence of leakage to level filled where accessible for inspection:

- Tanks – estimated ten-to-fifteen-gallon capacity contained in one aluminum tank secured cockpit aft end below sole
- Fills – top of inner transom
- Vents – hull side
- Plumbing materials – plastic hose
- Pressure pump – quad diaphragm type (not seen)
- Test performed – verified pressure pump works

ENGINES, AND ENGINE AND VESSEL CONTROLS

Engines

Condition/appearance: above average Exceptions noted: none

- Location – outer transom
- Type/description – 4-cycle V8-cylinder naturally aspirated; fuel injected
- Cooling system – raw-water
- Power transmission – integral to engine
- Mounting – securely attached:
 - Beds – outer transom
 - Mounts – fixed aluminum bracket
- Cleanliness – above average
- Fluid levels and condition – not checked
- Accessibility - good
- Ignition protection – n/a
- Trim tilt – not operated
- Propeller – 15 ¼” x 18” 3-blade stainless-steel (Yamaha Saltwater Series II)
- Test performed – examined the following:
 - Downloaded engine computers (no codes active or recorded)
 - Throttle engagement idle/full
 - Cold start
 - Exhaust smoke

GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com

- Raw-water flow
- Noise/vibration
- Leaks
- Charging

Engine controls

Condition/appearance: above average Exceptions noted: none

- Locations – helm console
- Manufacturer/model – Yamaha
- Description – single lever type electronic
- Neutral safety interlock (prevents starting in gear) – yes
- Test performed – observed working in trial-run

Engine instrumentation

Condition/appearance: above average Exceptions noted: yes (see summary remarks & notes)

- Locations – helm console
- Manufacturer - Yamaha
- Type – round LCD displays (2 x Tach, 1 x Fuel)
- Alarms – yes
- Test performed – observed working during trial-run

Steering

Condition/appearance: above average Exceptions noted: none

- Locations – helm console
- Manufacturer/model – Teleflex Seastar
- Description – wheel type manual hydraulic
- Reservoir – integral to helm
- Test performed – examined for damage, excessive wear, leakage, and observed working during trial-run

EQUIPMENT

Pumps dewatering and utility

Condition/appearance: above average Exceptions noted: none

Type & location – DC electric unless noted otherwise:

- Transom bilge area:
 - 2 x dewatering (Rule 1500 gph)
 - 2 x livewell (Shurflo Bait Sentry 1100 1700-021-008)
 - Raw-water washdown (quad diaphragm type [not seen])
- Test performed – all pumps operated. Dewatering pumps observed emptying bilge

Trailer

Condition/appearance: above average Exceptions noted: yes (see summary remarks & notes)

Description:

GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com

- Description – Triaxle aluminum float on/off
- DOT approval – yes
- Ball size – 2 5/16”
- Harness plug – flat 5-wire
- Chains – yes
- Brakes:
 - Actuators – surge type
 - Axles – two
 - Type – disc
- Tires:
 - Hubs - greased
 - Size – ST225/75R15
 - Year – 1722 date code (17th week of 2022)
- Lights – marker & running
- Accessories:
 - Winch – manual type
 - Jack – manual type
 - Spare tire(s) – three
 - Spare hubs – none
 - Tie-downs – winch strap only

Accessories

Condition/appearance: above average Exceptions noted: none

Description:

- Stereo (Jensen MS3A)
- Trolling motor (Minn Kota Terrova Riptide 112-lb. thrust 36-volt i-Pilot)
- Test performed -

ELECTRICAL SYSTEMS

Galvanic corrosion protection

Condition/appearance: above average Exceptions noted: none

Descriptions:

- Anodes (zinc unless noted otherwise) – quantities each location:
 - Outboards (2)
- Bonding system - none
- Test performed – n/a

DC electrical system

Condition/appearance: above average Exceptions noted: none

Locations & descriptions of significant components:

- Voltage - 12
- Panel locations – helm console
- Panel instrumentation - none

GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com

- Branch circuit protection – breakers & fuses
- Main disconnect switch – inside console
- Primary circuit protection – inside console
- Test performed – various DC equipment operated

Battery charging devices

Condition/appearance: above average Exceptions noted: none

Locations/descriptions:

- AC electric – inside console:
 - Minn Kota Precision MK330PC
 - Guest ChargePro 5/5/5
- Alternators – engines
- Test performed – observed all equipment working

Storage batteries

Condition/appearance: average or better Exceptions noted: yes (see summary remarks & notes)

- Batteries – flooded lead acid wet cells secured in plastic boxes located inside console:
 - Engines & house (3 x Group-27)
 - Trolling motor (3 x Group- 31)
- Disconnects – inside console
- Test performed – batteries conditions evaluated using Midtronics conductance type tester

Comments:

- **Battery disconnects or primary circuit protection for high amperage DC systems such as engine & AC generator cranking, windlasses, capstans, bow & stern thrusters and davits should be toggled off when not in use to prevent them from energizing unexpectedly due to failed components or short circuits that can lead to equipment damage or fire while vessel is not in use or unattended**

ELECTRONICS AND NAVIGATION EQUIPMENT

Condition/appearance: above average Exceptions noted: none

- Magnetic compass (Ritchie Powerdamp)
- 2 x multifunction displays (Garmin GPSmap 8610xsv)
- Autopilot control (Garmin GHC20)
- VHF radio (Garmin VHF 110)
- Autopilot pump – inside console
- Autopilot compass – inside console (Reactor 40)
- Test performed – all equipment operated during trial-run

SAFETY EQUIPMENT

(Items in this section checked for compliance with Code of Federal Regulations & ABYC Standards)

Fire safety equipment

Equipment types and quantities USCG compliant **no**:

- Fixed – n/a

GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com

- Portable handheld USCG Approved Sizes located as follows:
 - Inside console (BCI)

Signaling devices

Equipment types and quantities compliant **no**:

- Distress signals – one of the following required:
 - Pyrotechnics – not found
 - Electronic & flag – not found
- Sound signaling devices – one of the following required:
 - Hull mounted sound – not found
 - Handheld sound – not found
- Epirb – not found
- Test performed – n/a

Navigation lights

Configuration defects: **none** Function: **normal**

- Side – center console sides
- All around white – top of T-top
- Test performed – verified function of fixtures

Flotation devices

Condition/appearance: **n/a** Equipment types and quantities compliant **no**:

- Lifejackets – not found
- Throwables – not found
- Liferafts – not found
- Immersion suits – not found

Ground tackle

Condition/appearance: **n/a** Equipment types and quantities compliant **no**:

Locations/descriptions:

- Ready anchors & rodes:
 - Not found
- Back-up anchors & rodes:
 - Not found

Additional required (non-safety)

Equipment types and quantities compliant **no**:

- Marpol Trash Placard (Vessels 26 feet and over) – not found
- Vessel identification locations:
 - HIN – transom upper stbd corner
 - Registration # - hull sides near bow

GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com

SUMMARY REMARKS AND NOTES

Items on the following lists are grouped into several categories according to the surveyor's opinion of their importance:

- **Items in bold face are also listed in the Recommendations section at the beginning of this report and should be addressed on a priority basis.**
- Underlined items should be considered for timely action at your convenience.
- Remaining items on the lists that follow will likely not interfere with the safe and reliable function of the vessel but may improve its utility, and/or convenience, and value.

REGULATORY AND/OR STATUTORY DEFICIENCIES

Items on this list may not affect vessel safety but if ignored may result in fines and/or penalties:

1. **One portable handheld fire extinguisher found aboard; install at least one more.**
2. **Unexpired visual distress and/or electronic distress signals & flags not found aboard; put aboard at least three unexpired USCG approved day/night visual distress signals or other type USCG Approved system that satisfies the requirement (certain battery powered beacons accompanied with a day signal are now approved).**
3. **Sound signaling device(s) were not found aboard; install hull mounted horn and/or put aboard handheld horn or whistle.**
4. **Lifejackets not found aboard; put aboard at least one lifejacket preferably Type I offshore for each passenger who will be aboard.**
5. **Throwable flotation device(s) were not found aboard; put aboard at least one Type IV ring buoy, cushion or other USCG approved Type IV throwable flotation device.**
6. **Trash placard not found aboard; install at least one in readily accessible location.**

STANDARDS DEFICIENCIES

ABYC Standards and Technical Information Reports are advisory only; their use is entirely voluntary. They are guides to achieving a specific level of design or performance, and are not intended to preclude attainment of desired results by other means:

7. None currently.

SUGGESTED REPAIRS AND/OR CHANGES

Items based upon surveyor's observations or experience that may improve the vessel's reliability, utility, or longevity:

8. Hull above waterline & related:
 - a. Engine well bilge access handhole is worn; replace handhole with new.
 - b. Forward spreader light is inoperative; service as necessary.
9. Engines, controls & related:
 - a. Engine instruments trim/tilt indicators are inoperative; service as necessary.
10. Electrical & related:
 - a. Aft port side battery tested poorly; replace with new.
11. Safety equipment & related:
 - a. **Anchor and rode not found aboard; put aboard at least one anchor, chain lead and line rode.**

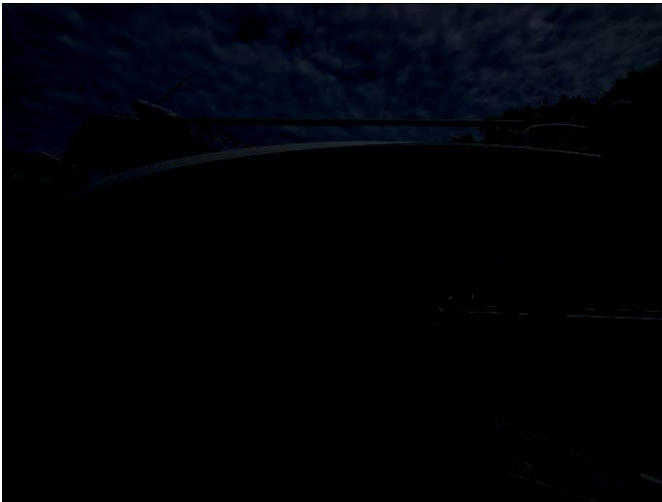
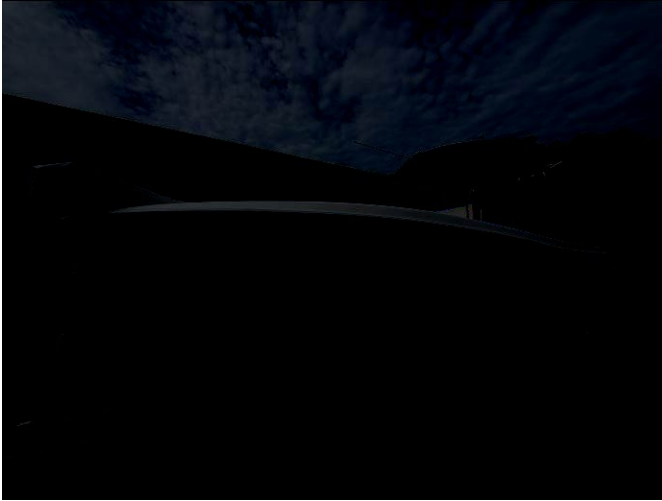
(End of report photo pages to follow)

GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com

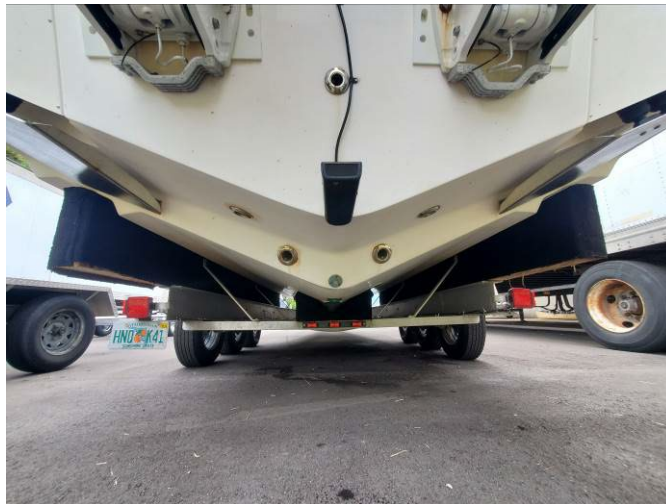
PHOTOS



GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com



GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com



GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com



GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com



GLADDING MARINE SURVEYING AND CONSULTING, LLC

1738 PICKWICK PLACE-FLEMING ISLAND-FLORIDA-32003

PHONE: 904-945-0511 EMAIL: gladdings@msn.com

