



# INDEPENDENT MARINE SURVEYORS, INC.

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**Members:**

*Society of Accredited Marine Surveyors*  
*American Boat and Yacht Council*  
*National Fire Protection Association*

Name: Douglas Marine Insurance File #: CV-6056-16  
Address: \_\_\_\_\_ Date : March 16, 2016  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Telephone: 518-470-5208 Email: \_\_\_\_\_

Type of Survey: Condition/Insurance/Valuation  
Vessel Surveyed At: 101 S. Water Street #1, Wilmington, N.C.  
Vessel Dry Docked At: Not Hauled  
Vessel Trial Run: Not Conducted  
Vessel Mooring At: 101 S. Water Street #1, Wilmington, N.C.  
Navigational Limits: Lakes, Bays and Sounds

Approximate Value in Present Condition: \$ 1,500,000.00  
Approximate Replacement Cost of Vessel: \$ 6,750,000.00

Vessel: HENRIETTA III

Manufacturer: Serodina Where Built: Guild, TN

Name of Vessel: HENRIETTA III Hull I.D.#: 61

Model Year: 1985 Registration #: \_\_\_\_\_ Documentation #: 693321

Model of Boat: Passenger Vessel Gr. Tons: 99 Net: 83

L.O.A.: 149' 5" Beam: 34' Draft: 4'6"

**Hull Construction and Details:**

Material: Steel Plated, Steel Stringers, Steel Frames

Deck: Steel Plated – Non-Skid Surfaces

Superstructure: Steel Plated

Bottom Type: Flat Bottom Keel: None Skeg: None

Fly Bridge: Steel Plated Pilot House

Towers: None Pulpit: None

Bulkheads: Nine Type: Steel

Location: Forward Quarter (2), Amidships (2), Aft Quarter (2)

General Cosmetics: Interior: Acceptable Exterior: Acceptable

Vessel: HENRIETTA III

**Machinery:**

Main Engines: Make: Cummins Type: Inboard T.H.P. 590

Location in Boat: Aft Quarter # of Cylinders: 6

Model #: 855 Serial #: 18106 857 Port

Model #: 855 Serial #: 18108 856 Starb

Approximate Engine Hours: Port: Unknown Starb: Unknown

Reduction Gear: Make: Twin Disc

Model #: MG-509 2.95 to 1 Serial #: 5U 4151 Port

Model #: MG-509 2.95 to 1 Serial #: 5U 4152 Starb

Main Engines Last Overhauled: Original Port

Original Starb

Date Reduction Gears Last Overhauled: Original Port

Original Starb

Engine Indicator Gauges: Location: Pilot House

Volt: 24V Oil PSI: Yes Water Temperature: Yes Ammeter:

Gear Oil PSI: Yes Tachometers: Yes Fuel Gauges:  Hour Meters:

Synchronizer:  Trim Gauges:  Trim/ Tilt:

Other:

**Engine Alarms:**

Oil PSI: Yes Water Temperature: Yes Exhaust Temp:

Gear PSI:  Neutral Safety Switches: No Emergency Shut Down:

Ventilation: Bilge: 240V Blowers - Operational, Natural

General Condition of Bilges: Acceptable- See Rec.

Cooling System: Keel cooled

Exhaust System: Dry Stack exhaust

Flame Arrestor: None - Diesel Engine

Vessel: HENRIETTA III**Machinery and Equipment Continued:**Shaft Logs: Two 5" SteelShafts: Two 3 1/2" StainlessPropeller Size: Port: N/A Starb: N/ASpares: None NotedPropeller Material: Bronze Condition: Not Hauled for InspectionStruts: Two Material: Steel Condition: Not Hauled for InspectionStrut Bearings: Two CutlassCondition: Not Hauled for InspectionRudders: Two Material: Steel Condition: Not Hauled for InspectionMufflers: Two Type: Flo Thru Model: SilencersTrim Tabs: None Model: N/ACondition: N/ASea Water Intake Valves: 12" Sea Chest with 1 1/4", 1 1/2", 2" BronzeType: Gate Valves Condition: OperationalFuel Filters: Six Type: Racor 75/1000 MAX Primary, Engine SecondaryBilge Pumps: Three Type: Balaur 240V Pump, Rule 1500 (2)Location: Manifold in Engine Room for each Compartment, Engine Room(3)Auto/Manual: Manual, Both Power: 12V, 120VCondition: OperationalHigh Water Alarms: Installed

Vessel: HENRIETTA III**Electrical Systems:**Batteries: Eight Deka 908D, Three Energizer 8D BatteriesVoltage: 12V, 24V Last Replaced: Date Not Stamped (9), Jan 2007 (1)Master Shut-Off Switches: None NotedDC Circuit Panel: Location: Pilot House, Engine RoomCondition: Meets ABYC E-9.11.sType/Size Wiring: 2/0 AWG battery cables, #2,4,6,8,10,12,14,16 AWG-ThermoplasticCondition: Meets ABYC E-9Ground System: Negative Lighting: 24V, 120VAC Circuit Breaker Panel: Location: Engine Room, Galley, Each Deck House - Meets ABYC E-8.10.bBattery Charger: LaMarche A11B-20-24V-A1, LaMarche CD 40 20/30 12/32-N2, LaMarche A11B-10-12V-A1,  
Newmar ABC 12-25Shore Lines: Two Hubbell Amp: 200 Length: 50' Volt: 250Generator: Four Make: Caterpillar Model: 3406-290 KWSerial: 2WD01645 Voltage: 407V Hours: \_\_\_\_\_ Watt: 290,000Fuel: Diesel Filters: DBL Racor 75/1000 MAX Primary, Engine SecondaryCooling System: Keel cooledExhaust System: Dry Stack exhaustMuffler: Four Make: Silencers Model: Flo-ThruAlarm System: Low oil pressure, High water temperatureGenerator: #2 Make: Caterpillar Model: 3406-290 KWGenerator: #3 Make: Lima Serial: AC 96577 CGG Model: 80 KWGenerator: #4 Make: Lima Serial: AG 96576 CGG Model: 80 KW

Vessel: HENRIETTA III

**Fuel System:**

#: Three Fuel Type: Diesel Capacity: 2550 Gallons  
Location: Forward Quarter Material: Steel (2), Poly Ply(1)  
Shape: Rectangular Condition: Acceptable Accessibility: Good  
Bonding: Good Fuel Valves: On/Off Valves  
Location: Top of Tank, Bottom of Tank with Emergency Valves in Main Deckhouse  
Fuel Lines: Type: Steel Pipe Size: 1/2", 1" Condition: Acceptable  
Flex Section: Installed Location: At Engines  
Filling and Ventilation: One Deck Fill, Deck Top Venting

**Fresh Water System and Tanks:**

# Of Tanks: Four Capacity: 4200 Gallons Shape: Rectangular  
Location of Tanks: Amidships (3), Forward  
Material: Molded Plastic (3), Steel  
Pressure System: Balder Pump with Accumulator Tanks  
Filters: In-Line  
Water Heater: One Make: Ao Smith Capacity: 50 Gallons  
Dock Side Connection: No  
Showers: None Type: N/A  
Location: N/A

Vessel: HENRIETTA III**Fittings and Equipment:**Steering Type: Hydraulic/Power Make: Matthews Marine Condition: GoodClutch Controls: Make: Kobelt Condition: GoodThrottle Controls: Make: Kobelt Condition: GoodGround Tackle: Anchors: 135 lb. Danforth Anchors -200' Nylon RodeWinches: None Make: \_\_\_\_\_ Condition: N/ADeck Hardware: Fourteen 24" cleats located in bow, forward quarters, amidships, aft quarter & aft -All found secured and in good conditionRailings: Steel railing with steel bulwarks around bow deck, Steel railing with steel grating around  
second & third deck levelsCondition: AcceptableMoldings: SteelCondition: Acceptable**Heads:**# Of Heads: Seven Type: USCG Type III MSD Make: Head HunterLocation: Aft Starboard & Port side main deck house, Port side 3<sup>rd</sup> deck, Forward in 2<sup>nd</sup> level deck houseMaterial: Porcelain Condition: OperationalHolding Tank: One Capacity: 2500 Gallons Y-Valve: NoneMaterial: None Condition: AcceptableMacerator Pump: NoneDeck Top Pump Out: Yes

**First Deck Galley:**

Blodgett Double Stack Full Size Convection Ovens, Mark V

GE Convection Oven

Double Stack West Bend R1 Steamers with Storage Base

Star 502 F Double Burner Electric Hot Plate with SS Stand

Berkeley Meat Slicer

4 ft. Under Counter Artic Air Refrigerator

Stainless Steel Meat Sink

Stainless Steel Vegetable Sink

Three Compartment Dish Washing Sink with Spray Attachment

6 ft. Stainless Steel Work Table with Drawer

23 cubic ft. Stainless Steel Refrigerator

Three Sets of Wire Shelves

Various Pots, Pans, Cooking Utensils used for Preparing Meals Aboard

**First Deck Bar:** (Set up is for two bartenders)

Two Sharp A-420 Cash Registers

5ft. Draft Beer Box

Ice Bins, Cold Plates, Soda Gun Setup -Vendor Supplied

Various Utensils & Blenders

Two Large Storage Cabinets (One is used for storing liquor)

Open Cabinets across the bar top (Used for storing cups and supplies)

1- 30" Round Tables

18- 8' 1-4 Top Tables

5- 48" Round Tables

221 Dining Chairs



**Second Deck Large Bar:** (Set up is for two bartenders)

Ice Bins, Cold Plates

Dual Soda Dispensers

Two Cash Registers

Bag & CO2 System (Serves both bars)

5 ft. Bottle Cooler (Back of Bar)

Lockable Liquor Cabinet (Back Bulkhead)

Several Lockable Cabinets

Cabinets across the bar top (Used for storing cups and supplies)

20- 4 Top Tables

4- 5' Top Tables

4- 48" Round Tables

141 Dining Chairs

**Third Deck Bar/Snack Bar :**

Four Compartment Stainless Steel Sink

Stainless Steel Hand Washing Sink

2 ft. Stainless Steel Refrigerator

5 ft. Bottle Cooler,

Star Hot Dog Cooker

4 ft. Stainless Steel Work Table

Soda Dispenser-Vender Supplied

Sharp Cash Register

Manitowoc Ice Machine 5-570

1- 48" Round Table

1- 4 Top Table

32- Dining Chairs

66- Plastic Chairs

**Cabin Description:**

The first level deckhouse has the main galley aft in the cabin. Going forward to port and starboard are the two main Mens and Womens heads. The lower Bar is in between the two heads.

There are 8 top tables up each side of the deck house with a center wood dance floor and buffet tables in the center section of the cabin. Forward in the cabin is a storage closet.

The second level deck house has the Mens and Womens heads forward. There are buffet tables in the center of the cabin and a dance floor aft in the center of the cabin. There are 8 top tables on both sides of the cabin. The bare area is aft on center.

The third level deck house has a work/bar station forward. There is an enclosed glass room aft with tables and chairs and seating for approximately Fifty peoply(50)..

There is a large aft deck section.

The Pilot House is on the fourth deck level. It a fully enclosed cabin with the steering station forward and a work/office area aft. There are port and starboard side wing control stations for docking.

The second and third deck levels have a full walk around deck area with bench seats and stacking chairs.

There is a 6 person elevator that goes from the First to Third deck levels.

Vessel: HENRIETTA III

**Navigational and Electronic Equipment:**

Radios: V.H.F.: Make: Horizon Matrix GX 2000 Cond: Operational

Make: \_\_\_\_\_ Cond: \_\_\_\_\_

S.S.B.: Make: \_\_\_\_\_ Cond: \_\_\_\_\_

Lorans: Make: \_\_\_\_\_ Cond: \_\_\_\_\_

Make: \_\_\_\_\_ Cond: \_\_\_\_\_

G.P.S.: Make: Raymarine Ray Chart Cond: Operational

Make: Garmin GPS 76 Cond: Operational

Fathometers: Make: Furuno FCV-667 Cond: Operational

Make: \_\_\_\_\_ Cond: \_\_\_\_\_

Radar: Make: Raytheon R40xx, RL80c Cond: Operational

Auto Pilot: Make: River Tronics Swing Master Cond: Operational

Hailer: Make: Horizon Infinity Cond: Operational

Compass: One Make: Electronic

Horn: Make: Air Horn Triple Trumpet Ship's Bell: Yes

Search Light: Two Carlisle/Finch -Operational Clock: Yes

Miscellaneous Equipment: Rudder Angles Indicator, Honeywell Computer,

Peavex Amplifier Sound System

Navigation Lights: Meets Requirements for Class of Vessel-Operational

Vessel: HENRIETTA III**Safety and Fire Fighting Equipment:**Life Jackets: Type: USCG Type I Adult: 536 Child: 54 Total: 590Life Rafts: #: None Type: N/A Capacity: \_\_\_\_\_Life Rings: 30" Ring (6) First Aid Kit: YesFlare Kit: Orion Kit Expiration Date: June 2017Other: Life Lights, Life Lines**Fire Fighting Equipment:**Built in System: Four Anzul 150 lbs. CO2 BottlesLocation: 3<sup>rd</sup> Deck with discharges in all machinery compartmentsDate Last Inspected: Jan 2016 Approved Type: USCG 162.029Portable Extinguishers: Fourteen Type: Dry Chem 2A-60BCLocation: Galley (2), Generator Room (2), Engine Room (2), Pilot House, Office, Main Deck House (2),  
2<sup>nd</sup> Level Deck House (2), 3<sup>rd</sup> Level Deck House(2)Date Last Inspected: Jan 2016 Fire Axe: YesFire Pump: Balaur Type: 240V ACLocation: Engine Room with stations on each deckOther: Smoke Detector, Anzul CO2 Alarm

Vessel: HENRIETTA III

**Fishing Equipment:**

Outrigger: \_\_\_\_\_ Fighting Chairs: \_\_\_\_\_ Gin Poles: \_\_\_\_\_  
Transom Door: \_\_\_\_\_ Fish Box: \_\_\_\_\_ Live Well: \_\_\_\_\_  
Rocket Launcher: \_\_\_\_\_ Cockpit Washdown: \_\_\_\_\_ Sinks: \_\_\_\_\_  
Bait Console: \_\_\_\_\_ Freezer: \_\_\_\_\_ Rod Holders: \_\_\_\_\_  
Other: \_\_\_\_\_

**Miscellaneous Equipment:**

13' Life Boat  
Baldor Air Compressor  
International Transformer  
Power Performance Transformer  
Montgomery 6 Person Elevators  
Whirl Pool Window Mount AC (Pilot House)  
120V Fans  
Two Side Bridge Control Stations  
In Hull Heater  
Wesmar Hydraulic/Electric Bow Thruster  
Jet Davit Winch  
Wesmar Bow Thruster  
Spare Lines  
Two Trane A/C-Chilled Water Systems with 6 Blowers (Not Tested)  
11' Aluminum Life Boat, Johnson Outboard Motor 9.9 HP

**THIS VESSEL COMPLIES WITH U.S. GOVERNMENT REGULATIONS SUBJECT TO THE FOLLOWING  
COMMENTS AND RECOMMENDATIONS**

### COMMENTS AND RECOMMENDATIONS

#### Comments:

Based on a full interior and a partial exterior inspection the structural integrity of the vessel appears sound. Where accessible for inspection, stringers, frames, engine beds, bulkheads and partitions, were all found secured and all appeared to be in good condition showing no evidence of stress, cracks or flexing and there was no evidence of any rot detected. Accessible welds were found in good condition and showed no evidence of any cracking. The hull sides were found in good condition with no evidence of any weaknesses detected. The interior surfaces of the hull sides did not show any evidence of rusting or corrosion and there was minimal if any buckling noted in the hull side plating.

The vessel was not hauled out for this inspection and the condition of the bottom and all of the underwater appendages cannot be commented on.

The deck areas, main deck, second deck, third deck and the bridge decks, were all found in good condition with no evidence of any weaknesses noted. There was no evidence of any deck leaks noted and where accessible for inspection the deck/hull joint was found secured and in good condition. The painted surfaces were found holding up well with only the bow deck area needing any attention.

The cabin structures, main deck house, second level, third level and Pilot House structures were all found in good condition with no evidence of any weaknesses noted. All windows and doors were found in good condition and there was no evidence of any leaks noted.

The interior cabin areas were found well appointed and showed in acceptable condition, with only some general housecleaning needed. The wood dance floors on the first and second level deckhouses were found in good condition. All furnishings were found in good condition.

All galley appliances and bar equipment was found in good condition and is in working condition.

The vessel's sound system was not tested at this time.

The main machinery compartment and the generator compartment were inspected and both were found in acceptable condition, with only some general housecleaning needed. The main engine bilge area will require some cleaning, but was found in better than expected condition. The remaining bilge areas were found clean and dry and in good condition. There is ample ventilation provided for. Working space is considered good in all of the machinery compartments.

The main engines were visually examined. There was some evidence of some minor engine oil leaks noted on both main engines and some general attention should be given. There was also evidence of an exhaust leak on the starboard engine at the exhaust blanket and repair work should be done. There was no evidence of any major engine oil, transmission oil, water or any other exhaust leaks noted from either engine. Engine hoses and fan belts were found in acceptable overall condition, with normal wear noted. There was no evidence of any heavy rusted or corroded surfaces detected on any of the external engine components.

Vessel: HENRIETTA III

**Comments, continued:**

The main Sea Chests, related piping and hoses and connected Valves were found accessible and in working condition. Please some the valves on the A/C chiller system(s) should be identified and some of the piping will require attention as some advanced rust was noted at this time.

Batteries are stored dry and secured from movement, all stored in covered boxes. Batteries were found in acceptable condition at this time. The electronics battery, located under the Pilot House will require replacement.

Wiring was found meeting ABYC and USCG Standards and where visible for inspection was found in acceptable condition. Please note there were a few taped spliced wire connections noted throughout the vessel and they will need to be properly spliced. Also the in-line fuse at the electronics battery was found located to close to the battery.

24V DC and 12V DC circuits were found circuit breaker and fuse protected. Circuit switches were found clearly identified and were found operational.

120V, 220V and 440V AC circuits were found circuit breaker protected. Circuit switches were found clearly identified and were found operational.

The two main Caterpillar 290 KW generators were visually examined and were both found to be in good overall operating condition. Some general attention to some minor oil weeps will be needed.

The two auxiliary Lima 80KW generator units were also found in good condition at this time.

Where accessible for inspection the fuel tank was found secured and was found in good condition and showed no evidence of any corrosion, rusting or fatigue noted to the tank. Fuel pipes and fuel lines were found in acceptable condition and there was no evidence of any fuel leaks noted. The fuel shut-off valves at the tank and the emergency shut-offs were found accessible and were found operational. The fuel fill pipe and fuel vent pipe were found in good condition.

The vessel operates as a passenger carrying vessel under a current Certificate of Inspection issued by the United States Coast Guard Marine Inspection Office, Sector North Carolina. The Certificate was put into effect on 06 March 2013 and is in effect until 06 March 2018. At this time there are no outstanding requirements to be met.

The vessel was found to be in a safe overall condition with only some minor attention needed. All of the Safety Equipment was found in good condition and all was found In Date at his time.

**RECOMMENDATIONS;**

**1. GENERAL;**

- a. Tighten both shaft log stuffing boxes.
- b. Adjust the automatic float switches on the two sump/bilgepumps located in the drip basins under each shaft log stuffing box.
- c. General engine bilge cleaning.
- d. Address the rusted A/C raw water pipes located in the main generator bilge area.
- e. Identify the valves for the A/C plumbing.
- f. Replace as needed bent and damaged steel grate floor plates in the main generator room.
- g. Clean the slight oil residue noted in the Bow Thruster bilge compartment(under thruster).
- h. Replace as needed taped spliced wire connections found in the Pilot House.
- i. Re-locate the in-line fuse at the electronics battery as it was found to close to the battery.
- j. There were no Battery On/Off Switches noted for the main engine and generator Starting Batteries and if none are located they will need to be installed.

**2. MECHANICAL;**

- a. Address minor engine oil weeps as noted on the main engines.
- b. Check for source of the apparent exhaust leak on the starboard engine exhaust under the exhaust blanket and repair as needed.
- c. Install protective boot covers over the Hot Posts on the main engine starter solenoids.
- d. General attention to minor engine oil weeps noted on the two Caterpillar generator engines.



This survey was visual and made without removal of fixtures components of any machinery, bulkheads, decking, or dismantling of any permanent installations aboard. To all intent this survey may be adjudged as an evaluated opinion based on data supplied by or on behalf of the vessel owner, manufacturer and marine technical publications. All equipment and systems tested and the condition of said equipment and systems are reported to be true at the time of the survey. This survey report is not to be misconstrued as a warranty of said equipment and systems. Any observations by the undersigned are strictly in the nature of opinion and should not be acted upon without verification.

Respectfully yours,  
INDEPENDENT MARINE SURVEYORS, INC.

A handwritten signature in black ink, appearing to read 'S. Berlin', written in a cursive style.

Steve Berlin, A.M.S.  
Accredited Marine Surveyor

# Henrietta III inventory

## GALLEY

24- Deep pans

20- Shallow pans

10 racks for stove (blodget stove)

7 bus trays pan plastic

8 flat silverware trays for dishwasher

8 flat plastic dishwasher trays (square)

4 racks for single oven

## 1<sup>ST</sup> DECK

8 chafer dishes w pans, lids rectangular

1 square chafer w pans, lids

3 bus chart

1 large 2 door warmer (red)

2 vacuums

2 large white buffet tables

1 -4 top table

18- 8 ft tables w clothes

5 large round 48" table

1 small round 30" table

221 fabric gold dining chairs

4 high chairs (baby) wooden

1 DJ system peavey sound system

1 -5 disc co/dvd player soney

6 peavey speakers mounted

waitress trays

7 large

6 med

5 small

3 tray jack stands (wooden)

White plates, saucers, silverware apox 300 of each

7 trays coffee cups 2 per tray = 140

11 trays wine glasses 25 per tray= 275

1<sup>ST</sup> DECK BAR

2 sharp cash registers ER- A420

2 complete margarita madness blenders

1- 2 eye burner coffee warmer (bunn)

1- 2 door( double) 5ft beer cooler keg superior

Complete soda gun

FIRST DECK BY ELEVATOR

1- Travlsen 2 door refrigerator

2- Turbo air deluxe refrigerators

## 2<sup>ND</sup> DECK

141 dining chairs gold vinyl

20- 4 top table

4- 8ft tables

4- Large round 48"

1 large food warmer model H 8- shelf 2 door red

8 chafing dishes w pans and lids rectangular

1 round chafing dish w pans with lids

1 bus cart

1 turbo air refrigerator

1 superior refrigerator

1 Frigidaire freezer

1 vacuum

## BAR 2<sup>ND</sup> DECK

1 large beer cooler (double slide) brand beverage

2 soda guns w co2 system

2 sharp registers Er A420

1 SS 4 BIN SIN

1 SS ICE BIN

## 3<sup>RD</sup> DECK SNACK BAR

1 soda system

1 manitowoc ice machine S 570

1 soda gun  
1 beer cooler beverage air 2 door slide  
1 SS 4 bin sink 2 faucets  
1 true refrigerator 2FF  
1 hot dog warmer cooker (star brand)  
1 sharp A 420 cash register  
1 ice bin

### 3<sup>rd</sup> DECK ENCLOSED SUN ROOM

66 white plastic chairs  
2 waitress bus carts  
1 round table 48"  
1- 4 top table  
32 gold dining chairs vinyl  
3 garbage cans