

NAMS Certified Marine Surveyor
Hull & Machinery
Yachts & Small Craft
Cargo
Marina / Shoreside Facilities
USCG Licensed Master 1600 Ton

DANA R. TEICHEIRA, CMS
TEICHEIRA MARITIME SURVEYORS, LLC

Casualty Investigations
Fire and Collision
Passenger / Crew Injury
ABYC Certified Electrical Tech
AWO RCP Auditor
USACE / DCA DSMP Auditor

CONDITION AND VALUATION SURVEY

VESSEL: "ZESTER"

File No. 03110

This report is issued in accordance with the terms and conditions printed on the reverse side of the last page

This is to certify that the undersigned Marine Surveyor did on June 12, 2003, acting at the request of _____, and for the account of whom concerned, attend on board the vessel "ZESTER", while at _____ Napa, California, for the purpose of performing a Condition and Valuation Survey.

At the time of survey the vessel was ashore in its building cradle.

GENERAL INFORMATION

- | | | |
|-----|-------------------------------|---|
| 1. | Vessel Name: | "ZESTER" |
| 2. | Official Number: | Unknown (vessel not yet documented-see notes) |
| 3. | Hull Identification No. (HIN) | CFL00001E700 |
| 4. | Owner: | |
| 5. | Address: | |
| 6. | Home Port: | Napa, CA |
| 7. | Gross Tons: | 12.5 (see notes) |
| 8. | Net Tons: | 11.3 (see notes) |
| 9. | Builder: | |
| 10. | Year Built: | 2003 |
| 11. | Intended Service: | Pleasure |
| 12. | Cruising Speed/ Range: | 1018 NM at 6 knots with 20% fuel reserve |
| 13. | Last Dry Docking: | Vessel is still in building cradle |
| 14. | Conversions/ Modifications: | N/A |

VESSEL PARTICULARS

- | | | |
|----|----------------------|--|
| 1. | Length Over All: | 38' 03" |
| 2. | Registered Length: | 38' 01" |
| 3. | Beam: | 11' 03" |
| 4. | Draft: | 6' |
| 5. | Depth: | 5' 10" |
| 6. | Shell Plate: | 3/16" Welded steel plate (Cor-Ten) |
| 7. | Superstructure: | 3/16" Welded steel plate (Cor-Ten) |
| 8. | Transverse Frames: | 2 1/2" x 5/16" Steel flat bars 33" on center |
| 9. | Longitudinal Frames: | 1 1/4" x 5/16" Steel flat bars |

GENERAL DESCRIPTION, ARRANGEMENT AND COMMENTS

The subject vessel is a Bruce Roberts designed welded steel, cutter rigged, Offshore 38 auxiliary sailboat. The vessel was owner built by a professional metallurgical and welding engineer over a period of 20 years inside a protected building. The vessel is currently in an almost completed state with all systems installed and the mast and rigging ready to be installed. The owner's plan is to have the vessel trucked from its current location at the owner's home, to a marina at the north end of San Francisco Bay for final commissioning and outfitting. From there the vessel will be motored to Bay Ship & Yacht, Richmond, CA for installation of the mast and rigging.

The vessel's hull was constructed of 3/16" thick Cor-Ten plate, which is a high strength, low alloy steel, which is particularly strong and corrosion resistant. After construction the hull was grit blasted to near white metal then coated with a Devoe Ameron coating system consisting of inorganic zinc on the interior and above the waterline, two coats of 235 Bar Rust epoxy coating and a top coat of linear polyurethane (LPU). The hull received an anti-fouling coating. The interior of the hull was coated in spray on foam prior to finishing.

The vessel is laid out with a vee berth forward followed by the head to port then the saloon with a U shaped settee to port and a straight settee to starboard. The galley is to port aft and the navigation station is to starboard aft. The engine is contained beneath the galley counter. There is a quarter berth to starboard aft. The deck is flat and has a raised fishplate coaming. At the time of survey the lifeline stanchion bases were installed but the lifelines had not yet been. There is a low cabin trunk fitted with a stainless steel grab rail the full length. All of the hatches and port lights had stainless steel frames. The cockpit had seats on each side and the steering station aft. At the time of survey the cockpit hatches and openings had not yet been sealed up.

The vessel has a full ballast keel with 6000 lbs of poured lead and an additional 750 lbs in lead ingots installed in sealed pockets in the bilge area. The vessel has a welded steel foil rudder hung aft of the strut and supported on the bottom by a skeg extending from the strut. The Sabb diesel propulsion engine is equipped with a sealed shaft and mechanical controllable pitch propeller. All of the rudder and propeller shaft bearings are greasable with zerk fittings accessible from inside of the vessel. The vessel's underwater through hulls are all integral welded steel, installed prior to blasting and painting and are equipped with bronze ball valve seacocks. The raw water system is equipped with a bronze screen and a stainless steel manifold with a zinc inserted and all raw water feed lines have bronze ball valves and double clamped connections.

In general we found this vessel to be built to a very high level of workmanship. The hull appeared to have been constructed to shipyard standards. The systems

were found to be excellent in both design and installation. The interior fit and finish was very good to excellent.

Upon completion this vessel will be an above average vessel and will be indistinguishable from a steel hull vessel built by a professional yard.

PROPULSION

- | | | |
|-----|---------------------------------|---|
| 1. | <i>Number Of Engines:</i> | One |
| 2. | <i>Fuel:</i> | Diesel |
| 3. | <i>Make/Model:</i> | Sabb 2GZ |
| 4. | <i>Total Horsepower:</i> | 22 |
| 5. | <i>Engine Serial Number:</i> | A0233 |
| 6. | <i>Port Engine Hours:</i> | Zero since new (see comments) |
| 7. | <i>Cooling:</i> | Fresh water through grid cooler
integral to hull |
| 8. | <i>Exhaust:</i> | Wet out transom (see comments) |
| 9. | <i>Starting:</i> | 12VDC electric |
| 10. | <i>Reverse/Reduction Gear:</i> | Sabb |
| 11. | <i>Gear Ratio:</i> | 2 : 1 |
| 12. | <i>Engine/Gear Foundations:</i> | Welded steel girders |

Propulsion Comments:

Engine was purchased new by the vessel builder in 1985 and has never been run. A qualified marine mechanic should be consulted regarding proper start-up procedures. The exhaust has a high loop at the aft saloon bulkhead, and another at the transom. The first loop is fitted with a threaded nipple for an anti-siphon device (see F&R). A qualified marine mechanic should be consulted to ensure that the two high loops do not exceed the engine manufacture's maximum exhaust backpressure.

ELECTRICAL SYSTEM

- | | | |
|----|-------------------------------|---|
| 1. | <i>AC System Description:</i> | AC power is available from shorepower or ships power from a Heart Interface Freedom 10, 1000 watt, 50 amp, inverter / battery charger. There is a 3 kva EGS isolation transformer on the shore power line. A rotary selector switch prevents simultaneous energization of AC power sources. There is a breaker panel at the navigation station that feeds the 110 VAC loads. All 110VAC outlets are GFCI protected. |
|----|-------------------------------|---|

2. *DC System Description:* There are five (5) group 31 AGM (absorbed glass matt) 12VDC batteries, four connected into one 12VDC house bank and one for a cranking battery for the vessel's auxiliary. The batteries have a Link 1000 battery monitor. The house bank is charged either by the inverter / charger when on shore power, or by a 160 amp Balmar alternator, which runs off of a jackshaft off the auxiliary (see Miscellaneous Equipment and Systems). The engine cranking battery is charged by an engine driven alternator. There is a 12 volt breaker panel at the navigation station, with breakers and fuses for all DC loads. The vessel is equipped with Marinco DC outlets.

Electrical Comments:

The electrical system was extremely well planned and executed. The AC and DC ground busses were interconnected.

MISCELLANEOUS EQUIPMENT AND SYSTEMS

1. *Marine Sanitation Device:* Wilcox Crittenden Skipper 1550 marine toilet to 20 gallon stainless steel holding tank or overboard.
2. *Bilge Pumps/Piping:* One (1) Whale Gulpher 220 12VDC
One (1) Rule 2000 12VDC
One (1) Bosworth Guzzler manual
Bilge pump discharges are equipped with vented loops and are routed out the transom and the cockpit drains above the waterline at all angles of heel.
3. *Bilge Pumps Tested:* Yes
4. *Domestic Water System:* The vessel is equipped with an 80 gallon storage system (see tankage) and an HRO model 9MC water maker. Water pressure is provided by a Shurflo Silencer 2093 12VDC pressure pump. Hot water is provided by a 4 gallon Isotemp heat exchanger tank heated either by the ships diesel heater (see HVAC below) or by engine hot water (not yet plumbed).

5. *Ventilation:* Natural and 12VDC fan forced into engine space
6. *Lpg System:* There are two (2) 4.5 gallon propane tanks located in the propane locker located beneath the port cockpit seat. The tank is vented aft (see F&R). The tanks are equipped with a solenoid safety valve (switched from the galley stove) and pressure gauge.
7. *Lpg System Meet Governing Standards:* Yes
8. *Hvac Systems:* Webasto TSL-17 diesel hot water heater feeds both the water heater and air two handlers in the cabin.
9. *Alarms:* In the cabin there is a Trident gas (propane) monitoring alarm.
6. *Pumps/Auxiliary Equipment:* Shurflo Problaster 12VDC deck wash pump
Whale Gulpher 220 shower sump pump

STEERING SYSTEM

1. *Number Of Stations:* One
2. *Description/Type Of Equipment:* Wheel at cockpit helm station is attached to a chain then rack and pinion drive on the quadrant. The rudderstock is fitted with a square shaft end for an emergency tiller (not yet completed). The vessel is fitted with a Sail O Mat 601-3 vane steering.

PROPELLER(S) SHAFT(S) RUDDER(S)

1. *Shaft Size:* 1 1/4"
2. *Material:* Stainless steel
3. *Struts:* Welded steel foil
4. *Bearings:* Greased, sealed bronze Sabb
5. *Stuffing Box:* None
6. *Propeller Size/Type:* Sabb 23.22" 2-blade controllable pitch
7. *Material:* Bronze
8. *Condition:* New
9. *Rudder Description:* Welded steel foil with greased skeg supported lower bearing. Rudder stock is 2 1/4 " 316 stainless steel.
10. *Rudder Stuffing Box:* Stainless steel

CORROSION CONTROL

- | | | |
|----|------------------------|-------------------------|
| 1. | <i>Zincs:</i> | Bolt on zincs on wetted |
| 2. | <i>Condition:</i> | New |
| 3. | <i>Bonding System:</i> | N/A (steel hull vessel) |
| 4. | <i>Other:</i> | None |

THROUGH HULL FITTINGS

There is a 1 ½" welded steel through hull with a bronze ball valve which feeds vessel's raw water demands through a stainless steel manifold. There is a 1 ½" welded steel through hull with a bronze ball valve for the toilet overboard and two 1" welded steel through hulls with a bronze ball valves for the galley and head sink drains. The removable transducer and speedometer bases are welded steel.

TANKAGE

- | | | |
|-----|---------------------------|---|
| 1. | <i>Fuel Tanks:</i> | One |
| 2. | <i>Total Capacity:</i> | 53 gallon |
| 3. | <i>Material:</i> | Painted welded steel |
| 4. | <i>Grounding:</i> | Yes |
| 5. | <i>Shut Off Valves:</i> | Yes |
| 6. | <i>Vents:</i> | Yes |
| 7. | <i>Vent Screens:</i> | Yes |
| 8. | <i>Fresh Water Tanks:</i> | Four |
| 9. | <i>Total Capacity:</i> | 80 gallons |
| 10. | <i>Material:</i> | Welded stainless steel |
| 11. | <i>Other:</i> | One 20 gallon stainless steel sewage holding tank |

Tankage Comments:

Fuel tank was sand blasted and coated with Devoe Ameron inorganic zinc and two coats of epoxy paint.

GALLEY EQUIPMENT

- | | | |
|----|---------------------------------|--|
| 1. | <i>Stove:</i> | Force 10 M/N 60351 gimbaled with oven |
| 2. | <i>Fuel:</i> | Propane |
| 3. | <i>Tanks:</i> | Two 4.5 gallon in cockpit locker vented aft |
| 4. | <i>Emergency Shut-Off:</i> | Solenoid switch at stove |
| 6. | <i>Refrigeration Equipment:</i> | Glacier Bay Mark II 12VDC compressor with cold plate in insulated box |
| 7. | <i>Other:</i> | Double stainless steel sink with saltwater foot pump and freshwater faucet |

Galley Equipment Comments:

The galley is located at the aft port side of the saloon and has a "U" shaped counter with stove, reefer box and double stainless steel sink.

GROUND TACKLE

- | | | |
|----|--------------------|---|
| 1. | <i>Anchors:</i> | One (1) 45# CQR and one (1) 35# CQR |
| 2. | <i>Windlass:</i> | Muir Hercules manual |
| 3. | <i>Chain/rode:</i> | 300' of 5/16" galvanized high test on 45# anchor.
20' of 5/16" galvanized chain with 150' of 7/8" nylon on 35" anchor. |

Ground Tackle Comments:

The anchors are to be stowed on a custom made stainless steel double anchor roller assembly (anchors and chain not installed at the time of survey). Anchor locker is lined with fiberglass and is drained into the shower sump.

FIRE AND SAFETY

- | | | |
|-----|---|---|
| 1. | <i>No. Portable Extinguishers:</i> | One (see F&R) |
| 2. | <i>Type/Size:</i> | B-I dry chemical |
| 3. | <i>Date Last Inspection:</i> | New unit |
| 4. | <i>Type Of Fixed System And Size:</i> | Kidde Fire Watch FW 50 50 ft3 capacity |
| 5. | <i>Approximate Size Of Engine Space</i> | 1250 ft3 (see comments) |
| 6. | <i>Date Last Inspection:</i> | New unit |
| 7. | <i>Fire Main, Hose, Nozzle</i> | N/A |
| 8. | <i>Fire Axe:</i> | N/A |
| 9. | <i>Number/Type Pfds:</i> | None on board at time of survey (see F&R) |
| 10. | <i>Ring Buoys:</i> | None on board at time of survey (see F&R) |
| 11. | <i>Epirb:</i> | None |
| 12. | <i>Flares:</i> | None on board at time of survey (see F&R) |
| 13. | <i>Life Raft:</i> | Givens Deluxe 6 person (see comments) |
| 14. | <i>Horn:</i> | None on board at time of survey (see F&R) |
| 15. | <i>Bell:</i> | None on board at time of survey (see F&R) |
| 16. | <i>Navigation Lights:</i> | Red and green side lights, stern light (see comments) |
| 17. | <i>Navigation Lights Tested:</i> | No |

- | | | |
|-----|-----------------------------------|---|
| 18. | <i>Oil Discharge Placard:</i> | None (see F&R) |
| 19. | <i>Garbage Discharge Placard:</i> | None (see F&R) |
| 20. | <i>Carbon Monoxide Alarm:</i> | None (see F&R) |
| 21. | <i>First Aid Kit:</i> | None on board at time of survey (see F&R) |

Fire and Safety Comments:

The fixed automatic fire extinguisher is sized for the engine compartment. However, since the compartment is not sealed from the cabin space the extinguisher will not function as designed. In order to protect the engine space with an automatic discharge system the entire interior capacity of the vessel would need to be protected (estimated at 1250 ft³-based upon gross tonnage), which in our opinion is not a practical option. We recommend that the engine space be protected by suitably sized portable fire extinguishers and that the automatic fixed extinguisher not be counted as part of the required fire fighting system.

The life raft was not on board at the time of survey.

We assume that a steaming light will be installed on the mast.

NAVIGATION/ELECTRONIC EQUIPMENT

<i>Radar:</i>	Furuno 7" LCD 1712-2.2kw
<i>VHF Radio:</i>	Icom M127
<i>SSB Radio:</i>	Icom M700
<i>GPS/Map Color Plotter:</i>	Garmin 182 C
<i>Compass:</i>	Ritchie 6" YB 600
<i>Auto Pilot:</i>	Simrad TP 30
<i>AM/FM Radio/tape Player:</i>	Sony
<i>CD changer:</i>	Sony 10 Disc CDX454RF
<i>TV/VCR:</i>	Phillips AC/DC

DECK/SPECIAL EQUIPMENT

Two (2)	Winches:	Anderson	46 ST
Two (2)	Winches	Anderson	52 ST
Two (2)	Winches	Anderson	40 ST
Three (3)	Winches	Anderson	40 ST
Two (2)	Hatches 19 ½ x 19 ½	Hood	H6530-50-I
Three (3)	Hatches 8 x 13	Hood	H6530-10-I
Five (5)	Opening Ports	Hood	H6540-21
Three (3)	Staysail & Jib Track	Harken	
Two (2)	Jib Sheet Cars	Schaefer	32-33 UC
Twelve (12)	Rope Clutches	Spinlock	XT

One(1)	Traveler	Harken	Big Boat
One (1)	Traveler Car	Harken	HK 1509
One (1)	Jib Roller Furling	Hood	Sea Furl 5

VALUATIONS

<i>Vessel's Estimated Fair Market Value In Current Stage Of Completion:</i>	\$100,000
<i>Vessel's Estimated Fair Market Value Upon Completion:</i>	\$120,000
<i>Estimated Replacement Value With Like New Vessel:</i>	\$200,000

Notes For Valuation:

Fair market value is based upon research of available sales publications (Internet and hard copy) for comparable vessels. The age, condition and outfitting of the vessel was also taken into account. We have also used the cost approach to approximate the fair market value (using owner-built cost).

FINDINGS AND RECOMMENDATIONS

1. The vessel was fitted with only one (1) size B-I portable fire extinguisher. Vessels 26' to 40' are required of have a minimum of three (3) B-I extinguishers, one at the steering station, one outside of the engine compartment and one in the galley.
2. The propane locker vent has a sag in the line. The vent line needs to run downward without pockets to a point lower than the locker bottom, above the water line at static floating position.
3. The engine exhaust water injection line anti-siphon vent has been installed but has not yet been run. *Recommendation:* Either install a spring loaded anti-siphon valve or a vent line running well above the water line (preferred as the spring loaded valves tend to clog and not function).
4. In stall a jumper wire from the "super ground" buss to the DC negative buss.
5. There were some AC and DC wires bundled together in the wire looms. *Recommendation:* Separate AC and DC wires in bundles and looms.
6. The locking tabs on the propeller boss had not yet been bent down. *Recommendation:* Prior to launching and after all final adjustments bend locking tabs in place.

7. The stern bearing nuts did not have safety locks. *Recommendation:* Install locking washers or nuts to prevent accidental loosening.
8. The exhaust line is fitted with a high loop that has a threaded fitting to install a vent line. *Recommendation:* See comments in engine section regarding the extra exhaust loop. Permanently fill and seal the threaded hole so that a vent fitting cannot ever be accidentally installed, as this would be a carbon monoxide risk.
9. The raw water through hull cleanout valve needs to be plugged when not in use.
10. The deck does not have a non-skid surface installed. *Recommendation:* Install a suitable non-skid coating to prevent slippage.
11. The normal safety equipment carried by a vessel of this type, such as PFD's, horseshoe buoy, flares, first aid kit, bell and horn, were not onboard at the time of survey. *Recommendation:* Prior to final commissioning of vessel ensure that the vessel is equipped with the required safety equipment.
12. There was no oil pollution placard posted. *Recommendation:* federal law requires that all vessel's 26' or greater post a placard outlining the Federal Water Pollution Control Act pollution rules.
13. There was no garbage (MARPOL) placard posted. *Recommendation:* federal law requires that all vessel's 26' or greater post a placard outlining the MARPOL pollution rules.
14. Carbon Monoxide (CO) is an odorless gas produced during the burning of hydrocarbons. Vessels equipped with gasoline generators or propulsion engines and enclosed accommodation spaces are required by American Boat and Yacht Council (ABYC) A-24.7.1 to be equipped with a CO detection system. Vessels equipped with solid fuel or LPG appliances, or diesel generators or propulsion engines, are recommended to be equipped with a CO detection system.

SURVEYORS NOTES

Vessel's call sign has not yet been obtained

The vessel's mast and rigging has not yet been installed. After the mast and rigging has been installed and the vessel's commissioning has been completed, we recommend that the vessel be surveyed again.

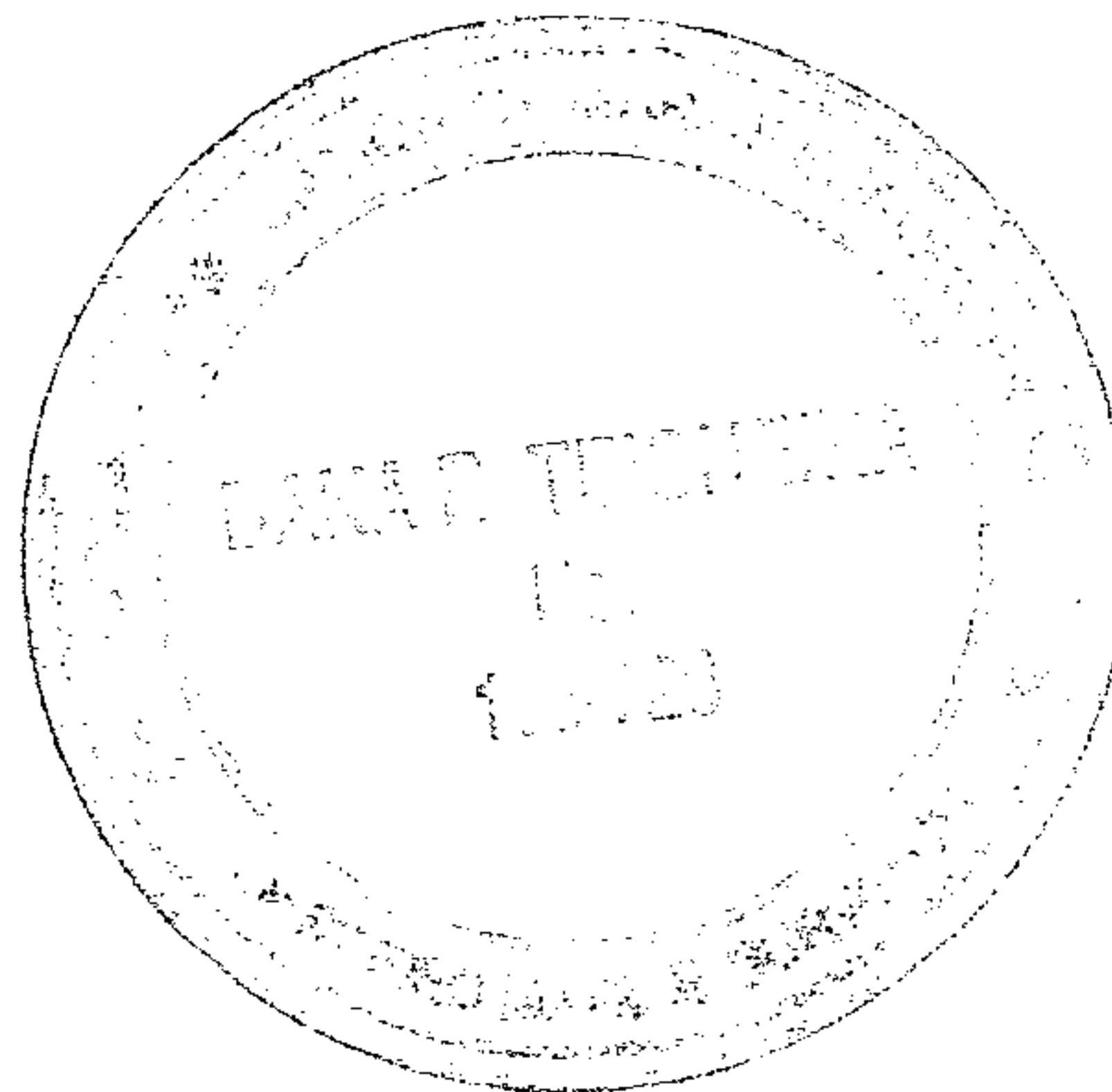
This examination has been conducted without making removals, or opening up to expose areas or components ordinarily concealed, or testing for tightness, or testing and/or running machinery or equipment, and does not, therefore, address any damages and/or deficiencies which might have been revealed if such procedures had been executed.

No incline experiment, stability studies or stability analysis was performed in conjunction with this condition and valuation survey. This report and the attending surveyor and this office express no opinion relative to the stability of this vessel. **FURTHER, THIS LIMITED REPORT IS ISSUED IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE REVERSE SIDE OF THIS PAGE.** Acceptance of this report or its use for any purpose shall serve as acknowledgment of and agreement with these terms and conditions.

This report is issued without prejudice to any parties who may be concerned.


TEICHEIRA MARITIME SURVEYORS, LLC
Dana R. Teicheira
Certified Marine Surveyor

6/25/03
Date



EQUIPMENT LIST FOR ZESTER – 38' ROBERTS CUTTER

Number	Item	Brand	Model Number
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DECK HARDWARE

1	45 lb. anchor w/ 5/16" high test chain	CQR	
1	35 lb. anchor	CQR	
1	Manual Windlass	Muir	Hercules
2	Hatches 19 1/2 x 19 1/2 SS	Hood	H6530-50-I
3	Hatches 8 x 13 SS	Hood	H6530-10-I
5	Opening Ports SS	Hood	H6540-21
3	Staysail & Jib Track	Harken	
2	Jib Sheet Cars	Schaefer	32-33 UC
4	Deck Fills	Hood	
12	Rope Clutches	Spinlock	XT
2	Winches SS	Anderson	46 ST
2	Winches SS	Anderson	52 ST
2	Winches SS	Anderson	40 ST
1	Traveler	Harken	Big Boat
1	Traveler Car	Harken	HK 1509
1	Chain Steerer #60	Edson	410S
1	Rack & Pinion Steering	Edson	
1	Wheel 36"	Edson	
1	Compass 6"	Ritchie	YB 600
1	Wind Vane Steering	Sail O Mat	601-3
3	Running Lights	Aqua Signal	40 series
4	Cleats SS 8"	Blue Sea	
2	Cleats SS 6"	Blue Sea	
1	Inflatable	Avon	HP 280
1	Life Raft 6 person	Givens	Deluxe
1	Jib Roller Furling	Hood	Sea Furl 5
1	Tiller Pilot	Simrad	TP30

ELECTRONICS

1	Radar 7" LCD	Furuno	1712 -2.2kw
1	Radar Dome 18"	Furuno	1712
1	VHF Radio	Icom	M127
1	SSB Radio	Icom	M700 PRO
1	GPS/Map Plotter Color	Garmin	182 C

ENTERTAINMENT

1	AM/FM Radio/tape player	Sony	
1	CD changer 10 disc	Sony	CDX454RF
1	TV/VCR AC/DC	Phillips	

ELECTRICAL

1	Shore Power Receptacle 30A	Marinco SS	
1	Shore Power Cord 30 A, 50'	Marinco	
1	AC/DC Power Panel	Blue Sea	8084
1	Isolation Transformer	EGS	3kva Heavy Duty
1	Inverter/Charger	Heart Interface	10
1	Battery Monitor	Link	1000
1	Alternator 160 amp	Balmar	94-165
5	Batteries Gel 105 amp AGM	Lifeline	31

ENGINE/FUEL SYSTEM

1	Diesel Engine 22 HP/1800 rpm, variable pitch prop	Sabb	2GZ
1	Fuel Filter	Racor	500 FG
1	Fuel Tank 53 gal.	custom	mild steel

GALLEY

1	Refrigerator 12 VDC	Glacier Bay	Mark II
1	Propane Stove	Force 10	60351 <i>See #010279</i>
2	Propane Cylinders 4.5 lb.	Worthington	
1	Galley Sink, double, SS	Sterling/Kohler	
1	Faucet Single Lever	Moen	
1	Watermaker reverse osmosis	HRO	9 MC

CABIN

1	Heating System, water/space	Webasto	TSL-17
1	Hot water holding tank 4 gal	Isotemp	
9	Dome Lights Halogen 20w	ABI	1842-SS & 1841-SS
1	Dome Lights Halogen 10 w	ABI	1830 SS
6	Reading Lights Halogen 10w	ABI	1810ch, 1811 ch
2	Overhead Lights florescent	Alpenglow	duel power
6	Fans 2 speed	Hella	87176

HEAD

1	Head manual	Wilcox Crittenden	Skipper 1550
1	Sink 10x11" SS	Sterling	
1	Lav/Shower Faucet	Scanvik	

INSTRUMENTS

1	Wind Direction & Speed w/ analog vane	Raymarine	ST 60
1	Speed	Raymarine	ST 60
1	Depth Sounder	Raymarine	ST 60

PUMPS

1	Water Pressure Pump	Shurflo	Silencer 2093
1	Wash Down Pump	Shurflo	ProBlaster
1	Shower Sump Pump	Whale	Gulpher 220
1	Bilge Pump Manual	Bosworth	Guzzler
1	Bilge Pump	Whale	Gulpher 220
1	Bilge Pump	Rule	2000