



**Condition & Value Survey Report**

File #: 17072

Acting at the request of [REDACTED], attending surveyor proceeded to Crowley’s Yacht Yard Lakeside, 3434 East 95<sup>th</sup> Street, Chicago, IL 60617, under the date of June 14, 2017 and there did survey the 37’ sloop while she was laid-up ashore. The purpose of the survey was to ascertain the condition and value of said vessel. The vessel has been used for pleasure purposes.

**GENERAL INFORMATION**

<b>BUILDER:</b>	Tartan Yachts Inc.	<b>ADDRESS:</b>	Fairport Harbor, OH
<b>MODEL:</b>	Tartan 37 CB	<b>RIG TYPE:</b>	Masthead Sloop
<b>HULL ID:</b>	TAR37056M77H	<b>MODEL YEAR:</b>	1977
<b>STATE REG. #:</b>	Not Posted	<b>USCG DOC. #:</b>	Not Observed
<b>VESSEL NAME:</b>	Zephyr	<b>HAILING PORT:</b>	Chicago, IL
<b>VESSEL OWNER:</b>	[REDACTED]	<b>ADDRESS:</b>	Chicago, IL
<b>LAST DRYDOCK:</b>	Current	<b>HULL CONFIG.:</b>	Keel-Centerboard
<b>HULL MATERIAL:</b>	FRP W/Core	<b>DECK MATERIAL:</b>	FRP W/Core
<b>FRAMES:</b>	FRP Encapsulated Wood	<b>BULKHEADS:</b>	Various Wood
<b>LENGTH:</b>	37’ 3”	<b>LENGTH @ W/L:</b>	28’ 6”
<b>BEAM:</b>	11’ 9”	<b>DRAFT:</b>	4’ 2” / 7’ 9”
<b>WEIGHT:</b>	15,000 Lbs.	<b>BALLAST:</b>	7,500 Lbs. / Lead
<b>MAST HEIGHT:</b>	1976 - 1989	<b>DESIGNER:</b>	Sparkman & Stephens

All Measurements Should Be Considered Approximate

**PROPULSION MACHINERY**

<b>ENGINE:</b>	Westerbeke	<b>MODEL:</b>	40
<b>YEAR:</b>	Appears To Be Original	<b>SERIAL #:</b>	108U88561B612
<b>HP:</b>	40	<b>CONFIGURATION:</b>	Inline-Four
<b>HOURS:</b>	2882	<b>LAST OVERHAUL:</b>	None Reported
<b>FUEL:</b>	Diesel	<b>FUEL DELIVERY:</b>	Fuel Injection
<b>AIR CLEANER:</b>	OEM	<b>CONDITION:</b>	Good / Serviceable
<b>VENTILATION:</b>	Natural	<b>VENT DUCTS:</b>	Properly Routed
<b>ENGINE OIL:</b>	Serviceable	<b>OIL LEVEL:</b>	Proper
<b>HOSES:</b>	Good / Serviceable	<b>BELTS:</b>	Properly Adjusted
<b>COOLING:</b>	Closed W/Heat Exchanger	<b>COOLANT LEVEL:</b>	Proper
<b>EXHAUST:</b>	Wetlift Muffler/Thru-Transom	<b>CONNECTIONS:</b>	Double-Clamped
<b>ENGINE MOUNTS:</b>	Rubber / Metal	<b>CONDITION:</b>	Properly Secured
<b>STEERING:</b>	Edson Pedstl. W/36" Wheel	<b>STATIONS:</b>	1
<b>OIL PLACARD:</b>	Posted	<b>LOCATION:</b>	Lazarette

<b>TRANSMISSION:</b>	Hurth	<b>MODEL:</b>	Tag Not Visible
<b>SERIAL #:</b>	Tag Not Visible	<b>RATIO:</b>	Tag Not Visible
<b>LUBE:</b>	No Quick Release Dipstick	<b>LEVEL:</b>	Not Checked

### UNDERWATER MACHINERY

<b>PROPELLER:</b>	Max-Prop	<b>MODEL:</b>	Feathering 3-Blade
<b>SIZE:</b>	Variable	<b>MATERIAL:</b>	Bronze
<b>CONDITION:</b>	Good / Serviceable	<b>MANUF. DATE:</b>	Not Labelled
<b>PROPSHAFT:</b>	Stainless Alloy	<b>SIZE:</b>	1"
<b>STRUTS:</b>	Single	<b>STRUT BEARING:</b>	Sm. Amnt. Normal Wear
<b>RUDDER:</b>	FPR W/Core	<b>CONDITION:</b>	Some Delamination
<b>ANODES:</b>	1	<b>CONDITION:</b>	<5% Wastage
<b>LOCATION:</b>	Propshaft		

### DEWATERING SYSTEMS

<b>BILGE PUMPS:</b>	2	<b>TYPE:</b>	12v Auto, Plus Manual
<b>GPH:</b>	360 (estimated), + Variable	<b>WATER ALARM:</b>	Not Observed
<b>SHOWER PUMP:</b>	N/A	<b>TYPE:</b>	N/A
<b>GPH:</b>	N/A		

### THROUGH-HULL FITTINGS

<b>SEACOCKS:</b>	Bronze	<b>TYPE:</b>	Ball
<b>CONDITION:</b>	Operable	<b>BONDED:</b>	No
<b>LOCAL:</b>	Various Bilge Locales		

**STANDING AND RUNNING RIGGING**

<b>MAST:</b>	Stearns	<b>MATERIAL:</b>	Aluminum
<b>STEP:</b>	Keel-Stepped	<b>CONDITION:</b>	Good, No Visible Damage
<b>SPREADERS:</b>	Double / Straight	<b>CONDITION:</b>	Good, No Visible Damage
<b>FURLING SYSTEM:</b>	Harken	<b>MODEL:</b>	Series 2-489
<b>SHROUD TYPE:</b>	Wire Rope & Solid Rod	<b>CONDITION:</b>	Good, No Visible Damage
<b>SHROUD ADJUST.:</b>	Open Turnbuckle	<b>CONDITION:</b>	Good, No Visible Damage
<b>SWAGE CONDITION:</b>	Good, No Visible Damg.	<b>CHAINPLATES:</b>	Properly Secured
<b>BACKSTAY:</b>	Single	<b>ADJUSTMENT:</b>	Wire Rope
<b>BOOM:</b>	OEM	<b>MATERIAL:</b>	Aluminum
<b>BOOM VANG:</b>	Hall Spars	<b>MODEL:</b>	Quick Vang / Rigid
<b>TRAVELER:</b>	Harken	<b>LOCATION:</b>	Cabin Housing
<b>WINCHES:</b>	8	<b>MANUFACTURER:</b>	Lewmar
<b>WINCH #:</b>	16, 40, 40st & 54st	<b>CONDITION:</b>	Free Turning
<b>SAILS:</b>	Not Inventoried	<b>HALYARDS:</b>	Good / Serviceable
<b>ROPE CLUTCHES:</b>	Spinlock & Garhauer	<b>CONDITION:</b>	Function As Intended

**GROUND TACKLE**

<b>ANCHOR:</b>	ABI	<b>MODEL:</b>	35 Lb
<b>TYPE:</b>	Galvanized Pivoting Plow	<b>RODE:</b>	Galvanized Chain
<b>WINDLASS:</b>	Lofrans	<b>MODEL:</b>	Progress 1
<b>SERIAL #:</b>	PG006545	<b>FOOT CONTROL:</b>	Single Control
<b>ANCHOR ROLLER:</b>	Yes	<b>TYPE:</b>	Single Roller

**TANKAGE**

<b>FUEL TANKS:</b>	1	<b>FUEL:</b>	Diesel
<b>MATERIAL:</b>	Aluminum	<b>CAPACITY:</b>	18g - Estimated
<b>LOCATION:</b>	Port / Aft	<b>VISIBLE LEAKS:</b>	None Where Visible
<b>FILL LINE:</b>	Rubber	<b>FEED LINE:</b>	Rubber
<b>VENT LINE:</b>	Rubber	<b>CONDITION:</b>	Good / Serviceable
<b>FILL FITTING:</b>	Plated Steel	<b>FILL LOCAL:</b>	Port Side Deck / Aft
<b>BONDED:</b>	N/A		

<b>WATER TANKS:</b>	1 Deck Plate	<b>MATERIAL:</b>	Plastic
<b>CAPACITY:</b>	90g – Estimated	<b>LOCATION:</b>	Under Stb Settee
<b>H2O HEATER:</b>	N/A	<b>MODEL:</b>	N/A
<b>CAPACITY:</b>	N/A	<b>SERIAL #:</b>	N/A

<b>HOLDING TANKS:</b>	1	<b>MATERIAL:</b>	Aluminum
<b>CAPACITY:</b>	16g – Estimated	<b>LOCAL:</b>	Under Vee Berth
<b>HEAD:</b>	Lavac	<b>MODEL:</b>	Zenith
<b>LEVEL MONITOR:</b>	Yes / Tank Watch	<b>O.B. DISCHARGE:</b>	N/A
<b>LOCATION:</b>	N/A	<b>CONDITON:</b>	N/A

<b>COOKING FUEL:</b>	Propane	<b>TANKS:</b>	2
<b>MATERIAL:</b>	FRP	<b>CAPACITY:</b>	30 Lbs – Estimated
<b>LOCATION:</b>	Stern Locker	<b>REGULATOR:</b>	Yes
<b>SHUTOFF VALVE:</b>	Yes		Yes

**FIRE EXTINGUISHING SYSTEMS**

<b>TYPE:</b>	BC	<b>QUANTITY:</b>	3
<b>SIZE:</b>	I	<b>LOCAL:</b>	Cabin & Cockpit
<b>EXPIRATION DATE:</b>	Expired	<b>CONDITION:</b>	Full
<b>FIXED TYPE:</b>	Fireboy	<b>MODEL:</b>	Not Visible
<b>TYPE:</b>	Halon 1301	<b>SERIAL #:</b>	Not Visible
<b>EXPIRATION DATE:</b>	Expired	<b>LOCALE:</b>	Engine Compartment

**SAFETY EQUIPEMENT**

<b>PFDs:</b>	4	<b>SIZE &amp; TYPE:</b>	Adult I
<b>THROWABLE PFDs:</b>	None	<b>TYPE:</b>	N/A
<b>AUDIBLE SIGNALS:</b>	Portable Air Horn	<b>LIFE RAFT:</b>	N/A
<b>VISUAL SIGNALS:</b>	Orion	<b>EXPIRATION:</b>	Expired
<b>MARKER LIGHTS:</b>	4 / ACR	<b>MODEL:</b>	C-Light
<b>PROPANE DETECTOR:</b>	Xintex	<b>MODEL:</b>	S-2
<b>CO DETECTOR:</b>	Fireboy - Xintex	<b>MODEL:</b>	CO Sentinel
<b>NAVIGATION LIGHTS:</b>	Yes	<b>USCG APPROVED:</b>	Yes
<b>SEARCHLIGHT:</b>	N/A	<b>MODEL:</b>	N/A
<b>COMPASS:</b>	Ritchie	<b>MODEL:</b>	Pedestal-Mount
<b>LOCATION:</b>	Pedestal	<b>SERIAL #:</b>	Not Visible

## ELECTRICAL SYSTEMS

### D.C. Systems

<b>BATTERIES:</b>	3	<b>SERIES:</b>	24 & 27
<b>STORAGE:</b>	Tray	<b>PROP. SECURED:</b>	Yes
<b>SWITCHES:</b>	1	<b>TYPE WIRES:</b>	Stranded Copper
<b>PROPERLY SECURED:</b>	Yes	<b>CONNECTORS:</b>	Crimp-On
<b>CIRCUIT PROTECTION:</b>	Breakers & Fuses	<b>CHARGER:</b>	Not Visible or N/A
<b>MODEL:</b>	N/A	<b>SERIAL #:</b>	N/A

### A.C. Systems

<b>TYPE WIRES:</b>	Stranded Copper	<b>SECURED:</b>	Yes
<b>SHORE POWER:</b>	125v/30a	<b>LINES:</b>	1
<b>LOCATION:</b>	Port Side Deck / Aft	<b>POWER CABLES:</b>	125v/30a (x2)
<b>CABLE ADAPTERS:</b>	None	<b>BONDING:</b>	Yes
<b>GENI/SHORE POWER SELECTER SWITCH:</b>	N/A	<b>POLARITY INDICATOR:</b>	Yes

## GENERATOR

<b>MAKE:</b>	N/A	<b>MODEL:</b>	N/A
<b>YEAR:</b>	N/A	<b>GEN. SERIAL #:</b>	N/A
<b>KW:</b>	N/A	<b>ENG. SERIAL #:</b>	N/A
<b>COOLING:</b>	N/A	<b>COOLANT:</b>	N/A

### GALLEY

<b>STOVE/OVEN:</b>	Kenyon	<b>MODEL:</b>	Kenstar / 2-Burner	<b>SN:</b>	Not Visible
<b>MICROWAVE:</b>	N/A	<b>MODEL:</b>	N/A	<b>SN:</b>	N/A
<b>REFRIGERATOR:</b>	Dometic	<b>MODEL:</b>	Refrigerated Chest	<b>SN:</b>	Not Visible
<b>COFFEE MAKER:</b>	N/A	<b>MODEL:</b>	N/A	<b>SN:</b>	N/A
<b>SINK:</b>	Stainless	<b>MODEL:</b>	Double Basin		
<b>TRASH PLACARD:</b>	Posted	<b>LOCAL:</b>	Galley		

### ELECTRONICS

<b>VHF:</b>	Icom	<b>MODEL:</b>	IC-M502	<b>SN:</b>	Not Visible
<b>GPS:</b>	Garmin	<b>MODEL:</b>	GPSmap 176c	<b>SN:</b>	Not Visible
<b>DISTANCE:</b>	Datamarine	<b>MODEL:</b>	A180	<b>SN:</b>	Not Visible
<b>RADAR/CHARTPL.:</b>	Raymarine	<b>MODEL:</b>	RL70C	<b>SN:</b>	Not Visible
<b>AUTOPILOT:</b>	B & G	<b>MODEL:</b>	Network Pilot	<b>SN:</b>	Not Visible

### ENTERTAINMENT CENTER

<b>STEREO:</b>	Sony	<b>MODEL:</b>	DSX-M55BT	<b>SN:</b>	Not Visible
<b>TV:</b>	N/A	<b>MODEL:</b>	N/A	<b>SN:</b>	N/A
<b>DVD:</b>	N/A	<b>MODEL:</b>	N/A	<b>SN:</b>	N/A

### HEATING & AIR CONDITIONING

<b>SALON:</b>	N/A	<b>MODEL:</b>	N/A	<b>SN:</b>	N/A
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**DECK RAILS & ATTACHMENTS**

<b>BOW RAIL:</b>	Stainless Tube	<b>CONDITION:</b>	Properly Secured, No Unusual Wear
<b>STERN PULPIT:</b>	Stainless Tube	<b>CONDITION:</b>	Properly Secured, No Unusual Wear
<b>STANCHIONS:</b>	Stainless Tube	<b>CONDITION:</b>	Properly Secured, No Unusual Wear
<b>TOERAILS:</b>	Teak	<b>CONDITION:</b>	Properly Secured, Present Well
<b>CLEATS:</b>	Aluminum	<b>CONDITION:</b>	Properly Secured

**CANVAS & COVERS**

<b>BIMINI:</b>	N/A	<b>CONDITION:</b>	N/A
<b>DODGER:</b>	Canvas W/Isinglas	<b>CONDITION:</b>	Good / Serviceable
<b>WHEEL COVER:</b>	Canvas	<b>CONDITION:</b>	Good / Serviceable

**ADDITIONAL EQUIPEMENT & ACCESSORIES**

<b>SAFETY:</b>	<p>Ship's bell          Autohelm personal compass          ACR Aqualink Personal Locator Beacon          Switlik MOM 8-A man overboard module          Ritchie bulkhead-mount compass at nav station</p>
<b>ENGINE:</b>	<p>Balmar high-output alternator          Tach, Oil pressure, Water pressure, Amp &amp; Fuel Gauges</p>
<b>DECK GEAR &amp; AMMENITIES:</b>	<p>Boat hook          Vetus vents          5-step ladder          2 Danforth anchors          Matching dinnerware          Canvas grabrail covers          Outboard motor bracket          Drop-down dinette table          Topclimber bosun's chair          4 mooring fenders w/socks          Screened companionway doors          Fortress FX-23 aluminum fluke anchor          Force 10 gimbal mount, propane water (kettle) heater</p>

## NARRATIVE



*"Zephyr"*

ABYC (American Boat and Yacht Council – Standards and Recommended Practices for Small Craft), 33CFR (Code of Federal Regulations, #33 & 46) and NFPA 302 (National Fire Protection Association, Publication 302) may be referenced in this narrative. The purpose of the reference is to indicate the source of published recommendations and requirements, which can be used to support recommendations in the survey.

The surveyed vessel is a 37' sloop with a skeg-hung rudder, centerboard keel, and an auxiliary diesel inboard engine. The overall cosmetic appearance of the vessel was classified as above average. Any exceptions are noted below.

We began our survey by sounding the hull undersides with a small steel hammer, testing for moisture content with a Tramex Skipper Plus Moisture Meter and by performing a visual inspection. The antifouling paint presented in a serviceable condition. Percussion testing of the undersides didn't reveal any indicators for voids, blisters or delamination. Moisture readings gained from the majority of the surfaces registered in the Level 2 range. Some Level 3 readings were gained at or around the skeg.

Somewhat dull repercussions were gained from each side of the rudder. Level 3 readings were gained from the noted surfaces.

The Tramex Skipper Plus Moisture Meter is broken out into three scales: Level 1 (0-1.1% approximate moisture content), Level 2 (1.3% - 2.0% approximate moisture content) and Level 3 (2.2% - 2.7% approximate moisture content). Higher than normal readings might indicate potential for blistering or delamination, or the presence of moisture in the laminate or core (if core material exists). Conductive material in some antifoulants has been known to cause false positive readings.

Survey of the underwater running gear showed the propeller to be in a good and serviceable condition. Small amounts of normal/even wear were noted while inspecting the cutlass bearing.



*Rudder*

Survey of the port and starboard topsides showed each to present in a well-maintained condition. Percussion testing of the topsides didn't reveal any indicators for voids or delamination. Moisture readings gained from the noted surfaces registered in the Level 1 range.

After boarding the vessel, the attending surveyor inspected the deck and cabin housing by using the same methods as used on the undersides. Our visual inspection showed the noted surfaces to present very well. Moisture readings gained from the deck and cabin housing surfaces registered in the Level 1 – 3 ranges. The L-3 readings were gained from at and or around the following: Anchor rode deck pipe (port), mast partners, portions of the genoa tracks, and fuel fill plate. Dull repercussions were gained from a small area located several inches aft of the mast partners.

Survey of the teak toe rails and grabrails showed all to present in a well-maintained condition.



*Looking Aft From Foredeck*

Survey was conducted while the mast was stepped. Inspection of the mast above 6' was necessarily visual only. Our inspection of the turnbuckles, swaged fittings and lower lengths of the shrouds showed no visible damage or unusual wear. All clutches, winches and organizers functioned as intended.

The surveyed vessel was found to be well-equipped with electronic navigation equipment.



*Cockpit*

Our next inspections led us below deck, where we found sleeping accommodations for six. The cabin spaces were well-appointed with solid teak and teak veneers. The teak & holly sole showed minimal amounts of wear and tear. All seat and berth covers presented very well to our visual inspections.



*Cabin Spaces*

The attending surveyor opened every door, hatch, drawer and access panel that could be opened without the use of tools, finding the accessible hull frames to be free of any visible damage. Survey of the chainplates, mast step and related load-bearing areas didn't reveal any damage.

A search for signs of past water leakage from overhead sources showed some warping of the panels above the pilot berth. Dried water trails were noted at and below the mast partners.

An inspection of the accessible 12v electrical installations showed all to be installed per current 33CFR Regulations.

All seacocks functioned as intended.

The overall appearance of the exterior of the inboard engine was classified as average. No indicators for a prior overheat occurrence were observed. All belts and hoses were in a good and serviceable condition. All engine mounts appeared to be properly secured. The coolant in the overflow reservoir was within the recommended range.



*Westerbeke Inboard Engine*

Overall, we found “Zephyr” to present very well and to be well-equipped for her intended service.

**RECOMMENDATIONS:**

1. Test the deck and all attachments for water leakage and reseal as found necessary.
2. Equip the surveyed vessel with up-to-date visual distress signals and a Type IV Flotation Device (USCG and State Regulations).

**VALUE:**

CURRENT FAIR MARKET VALUE OF VESSEL: \$53,000.00

The estimated current market value of the vessel was established through a review of published listings for similar boats and reported selling prices published in one or more national listing services. Once these figures were established, the condition and equipment of the surveyed yacht were considered, and a final figure was established.

This vessel was surveyed visually and tested with non-destructive type equipment to determine its condition. Survey was conducted without removal of any parts, including panels, coverings, fittings, partitions, instruments and miscellaneous materials in the bilge and lockers, or any other fixed or semi-fixed items. Locked and inaccessible compartments would also prevent inspection. Further, no determination of stability characteristics, seaworthiness or inherent structural integrity has been made and no opinion is expressed with respect thereto.

This survey report is presented and was conducted without prejudice to the rights of any party, policy of insurance or provisions of law concerned. Certified Marine Surveyors hereby certifies that they have no present or contemplated future interests in the subject of the survey or any other interests which might prevent a fair and unbiased finding. This report is the best expression of the surveyor's findings and opinions and the surveyor reserves the right to amend or extend this report upon receipt of additional information. This report is not to be considered an inventory or a warranty either specified or implied.



Certified Marine Surveyors, LLC

*Rick Lenschow*

Rick W. Lenschow, SAMS-AMS  
Attending Marine Surveyor

Dated: June 19, 2017

Enclosures: Photographs