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Marine Surveyor


Commercial & Pleasure Craft



A-1 MARINE SURVEYING AND RESEARCH L.L.C.

SURVEY REPORT AND CONDITION EVALUATION

GENERAL


1 Requested by  Date July 31, 2013

2 Address  Wk Phone -

3 Owner Same Cell Phone  HM Phone 

4 Address Same

5 Type of vessel Sloop L.O.A. 27' Beam 9'11"

6 State Registration #  Doc. # 1188779 HULL HUN27118J405

7 Name of vessel Trade Winds Net Ton -

8 Year built 2005 Builder Hunter 27

9 Rebuilt - Designer -

10 Use Pleasure Is vessel ever let or chartered No

11 Surveyed at Burnham Harbor Address Burnham At The Lake

12 While vessel was In water Home Port Burnham Harbor B9

13 Present value \$39,000 Maximum value -

14 Would vessel be a good marine risk? Yes See Remarks and Recommendations

15 Intended area of use Great Lakes

16 Design use Pleasure

HULL DESCRIPTION

- 17 **Color** White
- 18 **Hull material** Fiberglass **Framing** Fiberglass & plywood
- 19 **Deck beams, material** Fiberglass **Decking** Fiberglass
- 20 **Keel/Ballast** Shoal wing keel spade rudder
- 21 **General conditions of topsides** Good **Decking** Good
- 22 **Bilge** Engine space bilge needs cleaning
- 23 **Does vessel have: Fwd cabin** Yes **Aft cabin** Yes **Fly bridge** NA

ENGINES AND ELECTRICAL SYSTEMS

- 24 **Engine make** Yanmar **Model** 2GM20F **HP** 18
- 25 **Engine hours meter reading Port:** - **Stbd:** -
- 26 **Port Model No.** 502GM20F **Serial No.** E13405
- 27 **Stbd Model No.** - **Serial No.** -
- 28 **Location of engine/s** Amidships station 7
- 29 **Year** 2005 **Fuel** Diesel **Type** Inline 2 cylinder
- 30 **Reduction gear make** Yanmar **Type** Reversing
- 31 **Serial No: Port** - **STBD** -
- 32 **Exhaust line** Rubber with muffler **Cooling system** Closed system
- 33 **Flame arrestor** Yes **Flex line at fuel pump** OK
- 34 **Shut off valve at fuel pump** OK **Approved filter bowl** Yes
- 35 **Vent. of engine room** Blowers **Cond. / engine rm. bilge** Clean
- 36 **Are engines equipped with: Low Oil Pres. High Temp alarm** Gauges
- 37 **Bilge pumps: Manual** 1 **Electric** 1
- 38 **Is there a 'No Oil Discharge' sign** Yes **Engine analysis performed** No
- 39 **Auxiliary generator** No **Location** -
- 40 **Fuel** - **Model** - **Serial No.** -
- 41 **Voltage** - **Watts** - **Flame arrestor** -
- 42 **Appr. filter bowl** - **Exhaust line** - **Cooling system** -
- 43 **Storage batteries** 1 Optima **Location** Station 8 Port Side
- 44 **Cut off switch** Yes **Wiring** Good **Battery tray approved** No
- 45 **Switchboard or fuse panel** Switchboard **Electrolysis protection** Zincs

FUEL TANKS

- 46 Fuel Diesel Number 1 Capacity Approx. 15 gallons
- 47 Shape Rectangle Material Poly Condition Good
- 48 Secured by Batten + straps Filling lines, vents/connections Tight
- 49 Are shut-off valves on tanks Yes Accessibility Good
- 50 Would overflow run overboard Yes Tanks vented Yes
- 51 Add'l fuel or inflammables carried aboard No Approved containers Yes

WATER TANKS

- 52 Number 1 Shape To conform Capacity 25 gallons approx.
- 53 Condition Good Material Poly
- 54 Secured by Battens + straps Number of sanitary tanks 1
- 55 Condition Good Material Poly Secured by Battens + straps

GALLEY

- 56 Location Stbd side station 5 Type of stove Kenyon
- 57 Fuel 110V Ac + Butane canister Location of tank in unit
- 58 Fuel lines OK Shut off valves OK
- 59 Is woodwork protected Yes Hot water heater Yes
- 60 Fuel 110V AC Refrigeration + Freezer Ice chest

NAVIGATION AND ELECTRONICS

- 61 Compass/es Danforth 4" binnacle mounted
- 62 Radio phone Icom Model # M 402 Serial # -
- 63 RDF No Model # - Serial # -
- 64 Radar No Model # - Serial # -
- 65 Auto pilot Raymarine Model # ST 6002 Serial # -
- 66 GPS Garmin Model # Color Serial # -
- 67 Depth sounder Raytheon Model # Digital Serial # -
- 68 Fume detector No Model # - Serial # -
- 69 Engine synchronizer NA Model # - Serial # -
- 70 Navigation lights International Clock No Barometer No
- 71 Knot meter/Log Raytheon Digital Steering system Wheel
- 72 Wind Angle indicator No Anemometer No

FIRE AND SAFETY EQUIPMENT

- 73 **Built in system** No **Location** -
- 74 **Date of last inspection** -
- 75 **Portable extinguisher/s** 2 **Approved type** Yes
- 76 **Date of last inspection** Unknown **Location** Main cabin
- 77 **Approved life jackets** 8 **Throwable device** Horseshoe
- 78 **Horn** Portable **Bell** No **Flare kit** Yes
- 79 **Searchlight** Remote **Life Raft/s** No **Lifelines** Single

DECK EQUIPMENT

- 80 **No. of masts** 1 **Rig** Sloop **Type of spars** Aluminum 5052 single spreader
- 81 **Standing rigging** Stainless **Running rigging** Stainless + dacron
- 82 **Dock lines** Misc. Nylon 7/8" **Anchors** Sentinel 13
- 83 **Anchor lines** Nylon 7/8" **Anchor chains** Yes BB galvanized
- 84 **Fenders** 3 medium **Boarding ladder** Yes
- 85 **Primary winches** Lewmar two-speed self-tailing
- 86 **Secondary winches** None
- 87 **Halyard winches** Lewmar 20 self-tailing **Winch handles** 1
- 88 **Sheets** Misc. dacron **Misc. blocks** Yes
- 89 **Spinnaker gear** No **Sail cover** Blue
- 90 **Dinghy** No
- 91 **General condition of sails** Main genoa
-
- 92 **Is boat used for racing** Possibly
- 93 **Canvas cover or canopy** Bimini/Blue **Cradle/Trailer** No
- 94 **Fishing Downriggers** No **Fishing Outriggers** No
- 95 **Is there a page attached for additional Remarks & Recommendations** X yes

SURVEY NOT VALID AFTER 6 MONTHS

Remarks and Recommendations

1. Recertify fire extinguisher for new season.
2. Wood shim around fuel tank rotted.
3. Re-seal fuel tank hoses on top of tank.
4. Install battery in battery box or install boots on batteries.
5. Engine space bilge needs cleaning.
6. Purchase emergency tiller.

Note

Unable to examine bottom; in water survey. This survey is based on the facts presented and discovered and does not constitute a certificate of seaworthiness nor a warranty of the vessel, either implied or expressed. No structural or engineering analysis of the hull structure or any system was made. The scope of this survey is for buyers' valuation and to discover any defective conditions without destructive removals to expose concealed parts.

Extra Equipment

1. AM/FM stereo, Pioneer
2. Genoa furling gear
3. Microwave, Tappan
4. Cockpit cushions

July 31, 2013

HULL AND DECK

Boat was surveyed in the water at Burnham Harbor, Star Dock B-9 in Chicago, Illinois with the weather cloudy and 78°F. Moisture meter used was a Soviern calibrated the evening before the survey. A Flir Thermal Imaging camera was also used for the survey. Bottom was not examined at this time, in water survey. Decks were in good condition free of visible osmotic blisters and could use a light cleaning. Prop was not examined at this time, in water survey. Hull is a shoal wing keel with spade rudder. Decks are white with nonskid molded into the gelcoat. Forepeak and the engine space bulkheads provide athwart ship rigidity and are in good condition. Longitudinal and transverse stringers are in good condition.

MECHANICAL

This auxiliary sloop is powered by a Yanmar 2-cylinder diesel engine developing 18 HP. All belts and hoses are in good condition, all fluids were at proper levels and the engine space bilge needs cleaning. Engine mounts are in good condition securely attached to longitudinal stringers.

ELECTRICAL

Boat has one battery mounted port side station 8 outboard. Owner will install a second battery. Battery boxes the approved type and recommend replacing all batteries over 3-years old. Wiring and panels meet A.B.Y.C. code. Wiring is neatly run and adequately protected by fuses and circuit breakers. Starter, alternator and blower meet N.F.P.A. and A.B.Y.C. standards for marine use. The alternator can charge batteries underway. Running lights are international.

BONDING AND GROUNDING

Boat has a #12 wire running from the engine to the forward stateroom with eligible components properly bonded. Fuel fill connections bonded to fuel tank/s for safety and to meet A.B.Y.C. standards.

FUEL

Fuel is diesel in a poly tank baffled and secured by battens and straps. No visible signs of a fuel leak. Reseal all hoses coming from top of the fuel tank.

THRU HULL FITTINGS

All valves are ball valves with quick throw handles in good condition. Soft wood plugs not sighted in area of valves.

DECK

Anchor is stowed on bow with 150' nylon line and BB chain. Cleats are in good condition and lifelines are in good condition.

CANVAS

All canvas is in good serviceable condition.

INTERIOR

Anchor rode is stowed in bow locker bitter end secured. Forward compartment has a "V" berth with adequate storage lockers. Upholstery is in good condition and cabin sole is in good condition. Galley is to stbd with an ice chest refrigerator system and a two-burner stove. Boat has pressurized hot and cold water. Salon has a dinette with adequate stowage for cooking utensils, etc. and the salon sleeps two in convertible bunks. Boat also has an aft cabin that sleeps two.

SAFETY

- A. Recertify fire extinguisher for new season
- B. Replace missing safety items

SUMMARY

An average condition mid size sailboat that is structurally sound. It has a good diesel engine. Boat should clean up pretty good.

Nice Boat!

Note 1

This boat was examined and limited under the scope of survey. Boat was surveyed without removing any screwed down panels or parts. Recommend buyer inspect under the approval of present owner. Prospective buyer(s) should do a final walk thru prior to final signing of acceptance. Inquire about a full disclosure from seller, broker and past owners indicating all losses, accidents, past repairs, or defects. New owners should contact manufacturer for up-to-date information regarding boat or equipment recalls and other advisories. U.S. Coast Guard maintains a website at www.USCGboating.org that offers a wealth of information including recalls and safety defects (available at bottom of home page) for consumer access. Boat U.S. Consumer Protection Bureau www.BoatUS.com, phone number 703-461-2856, maintains records of reported defects and problems. Boat was surveyed using N.F.P.A. (National Fire Protection Association) Section 302 and A.B.Y.C. (American Boat and Yacht Council) Publications. We have no knowledge of the history of the hull, deck, or superstructure maintenance including blister, blister repairs, or prophylactic coatings. Fiberglass laminates are subject to delamination, moisture build-up, decay and stress.

Note 2

Laboratory analysis assessing the condition of the vessel's internal laminated structure would require removal of core samples; which is invasive or destructive testing. This action should be taken whenever the need to satisfy a prospective buyer, owner, underwriter, lender, or any vested interest party. Findings stated in this survey are based on observations made to date. Should additional information or observations develop requiring further analysis, we reserve the right to modify or expand our opinion and report as indicated by such developments.

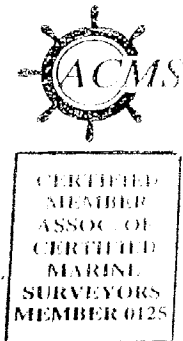
Note 3

An out of water survey does not include a test of all engines, machinery and electrical components. Those items are covered by a sea trial or an in water survey.

PLEASE NOTE

This survey represents my opinion of the apparent condition of this vessel based on thorough inspection of the hull and components, without dismantling any part of the structure, engine or equipment. This report is issued without bias or prejudice and is subject to the conditions that this surveyor is under no circumstances to be held responsible for any errors, omissions, defaults, negligence, misrepresentation, or misstatement. This is solely a statement of my professional opinion and is not a warranty or guarantee that unforeseen or undetected defects or damages do not exist, but represents the best opinion, under the conditions present at the time.

THE MANDATORY STANDARDS PROMULGATED BY THE UNITED STATES COAST GUARD (USCG), UNDER THE AUTHORITY OF TITLE 46 UNITED STATES CODE (USC), TITLE 33 AND TITLE 46, CODE OF FEDERAL REGULATIONS (CFR), AND THE VOLUNTARY STANDARDS AND RECOMMENDED PRACTICES DEVELOPED BY THE AMERICAN BOAT AND YACHT COUNCIL (ABYC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAVE BEEN USED AS GUIDELINES IN THE CONDUCT OF THIS SURVEY.



Respectfully submitted,

Melvin M. Surdel
Marine Surveyor

Member
Society of Architects and Marine
Engineers Association of Certified
Marine Surveyors

ABYC

Setting Standards for Safer Boating

This is to certify that

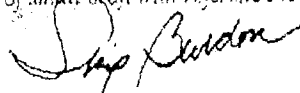
A-1 Marine Surveying

is a Member of the

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"An Organization whose objective is to develop recommended practices and engineering standards for improving and promoting the design, construction, and maintenance of small craft with reference to their safety"

Member Since: July 21, 2003



President

