



**SCHULZ
SURVEYORS**

**INTERNATIONAL
MARINE CONSULTANT**

Walk Through For Dock Change Only

Page 1 of 5

15523 Valerio St
Van Nuys, CA 91406 -USA
818-787-7082 Int'l.
888-882-7789

Port: Marina Del Rey, CA (sighted 2015)		VESSEL: ECHO	CF 7533 CY
Owner: Lewis Mark Troth/Szentgyorgyi Lol		Type: Sail/Jensen 36'	
Address: 467 W Club Dr, Palm Springs, CA 92262-7831		Berths 6	
HULL: Diesel engine Auxiliary Sloop		Designer: rep. Bill Lapworth	HIN: rep. 50
Builder: Jensen Marine/Cal Boats		At: Costa Mesa, CA	Year: rep. 1967
LOA: rep. 36' (35.5') Beam: rep. 10.33'		Draft: rep. 5.7'	Speed (MPH): 6 + KN
Planking: FRP		Frames: Longitudinal & bulkheads	Fastened: F/G bonded
Construction: Round bottom, transom stern		Deck: F/G nonskid pattern	Range: Sail/Power
ENGINE: Universal 4 cyl.		H.P.: rep. 30	(44HP=32KW)
Model & Serial Nos.: N/S		Aux. Generator: - - -	
Auxiliary - Pumps: Electric and hand bilge pumps		Exhaust: Wet	Wood Protected: Yes
Ventilation: Atmosphere		Arrester: Yes	Drip Pan: N/A
Carburetors: Yes		Shafts: SS N/S	Rudders: FRP
Propellers: 1x Martec Folding bronze N/S			
FUEL - WATER:			
Fuel: Diesel	Tanks: 1x	Material: N/S	Capacity: rep. 30 gal.
Location: Atmosphere		Vented: Yes	Fill: Deckside
Water Tanks: 1x Monel type		Capacity: rep. 80 gal.	HT: rep. Plastic N/S
ELECTRICAL: Battery safety switch, fuses / circuit breakers 12V & 110V systems			
Batteries: 2x GU 27 - 12 V type		Wiring: Non-metallic sheathed	Condition: Appear good
FIRE EQUIPMENT:			
Extinguishers: DC 5 lbs. type A, B, C,		See Rec. #1	Certified: Tagged (see rec.)
Engine room/space: Provide		Fixed System: - - -	Certified: - - -
GALLEY: Black & Decker MW oven		Fuel: Electric	FG/Wood Protected: Yes
NAVIGATION:			
Compass: Danforth/White Powerdamp		Size: 4"	Adjusted: - - -
Radiophone: RayMarine 215 DSC VHF		Call sign: - - -	GPS: Lowrance LMS-337
Fathometer: N/S		Automatic Pilot: - - -	
Radar: - - -		Other: MP3 AM/FM - CD	
DECK:			
Tackle: bow Bruce, 2x Danforth		Fittings: Mixed alloys	
BALLAST: rep. 4,500 Lbs.		Displacement: rep. 11,200 Lbs.	
Standing: SS 1x19	Winches: Mixed	Running: W/Rope	Spars: AL
SAILS: Main, Genoa on roller			
SURVEYED: 06/04/22			
Afloat Dock: C-404, Marina Del Rey, CA			
REQUESTOR: For exclusive use of owner for slip change only - (non-transferrable).			

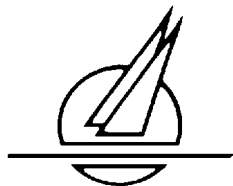
Date 06/04/22


Surveyor: SCHULZ SURVEYORS

ACMS-CMS

ATTENTION

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Page 2 of 5

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This is a cruising/racing diesel auxiliary Sloop rigged, a " Jensen 36' " designed and built by Jensen Marine/Cal Boats in Costa Mesa, CA. Construction is of fiberglass reinforced plastic (FRP) construction, over longitudinal stringers and bulkheads, with additional stiffening in the deck and cabin top areas. Auxiliary propulsion power is furnished by a single Universal gasoline engine, rated at rep. 30 HP equipped with reverse reduction gearbox V-drive, turning SS shaft and rep. Martec folding 2 blade bronze propeller, (both N/S).

The purpose of the survey is to inspect the structural parts and integrity of the vessel as accessible, to USCG, NFPA & ABYC codes, and good marine standards and undersigned surveyor's experience. It is recommended to have all systems checked while at seatrial by owner. It is very important to learn and familiarize yourselves with all systems. The inventory list is the suggested list as found or reported.

Accommodations are for 5-6 persons in way of forward Vee - berth master stateroom, Pt. & Stb. convertible settee/salon berths and Stb. quarter berth. She has an enclosed marine head, with WC type toilet, molded top vanity & sinks, running electric pumped water and ample storage areas. Her galley also includes molded, top work surfaces; electric pumped water, built in ice box, portable refrigerator freezer, MW oven and ample storage areas. Her interior boasts abundant paneling, cabinetry and trim as well as upholstered cushions and curtains in good condition throughout.

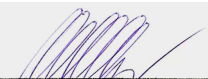
Features and inventory of this vessel also include:

S/S bow & stern pulpits with rails, single lifelines, trumpet horn, 6x life vests/PFD's type [depending on area of use keep on board the following: type I (offshore), II (day activity), III (supervised activity use), IV (Throwable), V (inflatable auto/manual)], cockpit seat cushions, covers for: with cockpit, Mainsail, Genoa on furling system, tiller steering, RayMarine instruments, MW oven, electric fireplace.

This vessel appears to have been fairly well maintained, (except as noted). The condition of the hull and all parts thereof except where concealed by interference, (i.e. inner fascia, submersion, paint, equipment or tankage) was not determinable, but from alternate area, inspections appeared sound. Navigation lights & refrigeration electronics were not checked (see Note & Recommendations) and all through hull fittings, where accessible, were scratch tested for corrosion.

The conditions of machinery, equipment, electric & electronic equipment, tanks, engine upper rigging and sails, were not ascertained; (She is well sealed & inaccessible,) but from the inspection of the accessible areas, the following is recommended to meet U.S.C.G., D.M.V., F.C.C., A.B.Y.C., N.F.P.A. and marine standards:

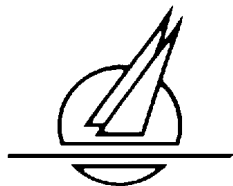
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Page 3 of 5

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RECOMMENDATIONS: (see NOTES)

All recommendations were reviewed with the requester at the completion of survey

1. Fire extinguishers are required, per 46 CFR25.30. Should be certified per ABYC standard A-4, Appendix 5.
2. Cover Battery's terminal ABYC standards E-10.
3. Provide GFCI switch for Galley and head (wet) areas.
4. Double clamp head HT systems, RR older hoses as discussed see #5.
5. RR all aged hoseclamps, double clamp space permitting, i.e. exhaust, hand Bilgepump, etc.

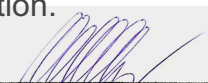
General areas to monitor:

1. Monitor chafe and provide anti chafe guard in way of hoses i.e. engine room & monitor throughout.
2. Tighten retainer nuts in way of lifelines, steering systems, engine controls, etc.
3. Service all anti siphon valves and prove operable.
4. Upgrade vessel with current U.S. Coast Guard safety set-up, dependent on use.
 - a. Radar reflector, bell, horn, second anchor with proper gear, flares with current date, life vests, wooden plugs, first aid kit, Lifesling retrieval system, anchor ball (day shape), etc.
 - b. Register VHF's call sign to new owner's name, no law but good seamanship.
 - c. Prove navigation lights operable before using vessel.
 - d. Seize anchor shackles; check if bitter end is attached before using.
5. Post warning signs. (Install it in front of panel). **INVERTER - DISCONNECT SHORE / GENERATOR POWER BEFORE OPENING THIS 110 V PANEL.**
6. Reset some 2nd hoses clamps are not on the nipple, (nipples or hoses to short).
7. Cover AC fuse and switch panel from the inside (behind panel) to NFPA 7-12 & 7-14 directives. Post warning sign. (Install it in front of panel).
DISCONNECT SHORE / GENERATOR POWER BEFORE OPENING THIS 110 V PANEL.
8. An installation of an Equipment Leakage Circuit Interrupter (ELCI) / **ABYC regulation E-11.11.1 states:** An Equipment Leakage Circuit Interrupter (ELCI) shall be installed with or in addition to the main shore power disconnect circuit breaker(s) or at the additional overcurrent protection as required by E-11.10.2.8.3 whichever is closer to the shore power connection.

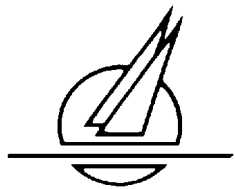
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Page 4 of 5

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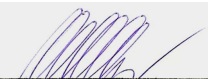
NOTES (general):

- a. When replacing hoses or rusting hose clamps on throughhull fittings and seacocks, located 8" above or below waterline, use heavy-duty marine type hoses, double clamped stainless-steel clamps.
- b. Please note when the phrase "Monitor" is used in the report it means that either the owner and/or a qualified Mechanic i.e. rigger, engine, etc. needs to inspect items regularly as a part of maintenance or good standing seamanship to mentioned standards.
- c. It is always the yacht operator's responsibility to check all systems before using vessel.
- d. When light to medium (intermittent) bottom gel coat blistering noted, extent of repair(s) is optional. Radical repairs not essential at this stage, but intermittent repairs are suggested on larger (penny to nickel sized) blisters, where fibrous condition and dense clustering is apparent. Technique and extent will depend on boat yard's preference and technical conference. [Total arrest, or further acceleration, may or may not occur after repairs. On the other hand, acceleration of blistering may not occur - even without repairs.]
- e. Double clamp throughout space permitting. If single clamping (SS type only) were the only available means, without the possibility of changing the nipple length, alternatively adding a higher quality clamp, like the Swedish embossed type, would be a good choice. It is recommended to monitor clamps regularly.
- f. Periodic maintenance on Water-, Fuel- HT (holding tanks) should include cleaning and inspecting all surfaces accessible and periodic draining of tanks contents to remove any water or deposits. Suggest one yearly pressure test as needed.
- g. Suggest maintaining all thru-hull valves in off position with notice at helm/control stations when vessel is moored and/or unattended. All thru-hull valves (seacocks) should be exercised frequently to ensure proper operation.
- h. Extent of any damage can only be determined during the cause of removal and/or repair.
- i. Additional digital images of these recommendations were taken and are only a few examples of areas inspected or mentioned on this survey and do not represent the full condition of the vessel.
- j. Any PVC fittings need to be ABY approved, should be supported, and monitored.
- k. Convex/concave surfaces and hollow sounds noted. Monitor.
- l. Post DMV, USCG, FCC registration openly [frame].
<http://www.uscg.mil/hq/cg5/nvdc/nvdcfaq.asp>
- m. For additional general Boat and Yacht information try the internet.
- n. A digital hull rub was not performed the law did not come into effect until the early 70's.

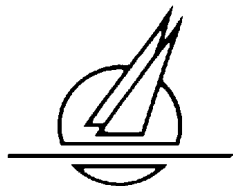
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Page 5 of 5

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Thank you for the opportunity to serve you
This survey was performed without prejudice
Please feel free to contact me for any clarification

FCC = Federal Communications Commission **ABYC** = American Boat and Yacht Council
NFPA = National Fire Protection Agency **DMV** = Department of Motor Vehicles
USCG = United States Coast Guard

Associations Memberships of:

[ACMS - \(Association for Certified Marine Surveyors\) 401.397-1888](#)

ASA American Society of Appraisers (ASA) www.appraisers.org

ABYC - (American Boat & Yacht Consul)

NFPA - (National Fire Protection Agency)

[TO - \(Trans Ocean - Society to encourage High-Sea-Sailing\)](#)

[TO - Base director S. CA \(assisting circumnavigators\)](#)

German Navy retired (Aircraft inspection)

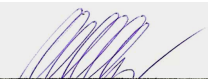
International Preventive Maintenance Lecturer since 1982

[Founder of LifeSail Inc.](#) US Sailing Community Sailing Center

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