

Maritime Profile

of Izak Labuschagne

1. Charter Captain since 1993
2. Owner of charter yacht Sweet Waters since 1990
3. CEO of Port Sail Charters from 1993 to 2015
4. SAS Coastal Skipper
5. SAMSA Certified skipper of: -
 - 5.1. Passenger vessel up to 100 Tons for over 12 passengers to 15 miles offshore.
 - 5.2. Charter vessel of up to 100 tons for under 12 persons South of equator on the African Coastline to 40 miles offshore.
6. STCW courses current: -
 - 6.1. Fire Fighting
 - 6.2. Survival
 - 6.3. Safety
 - 6.4. First Aid.
7. Sailing since 1967. Designed and built several radio controlled classic yachts such as America and Bluenose, Australia II, WWII fire tender, Emma C Berry, Steam launch including finer detail to scale, rigging, ballasting, balancing, finish and miniature firing black powder canons.
8. Sailed in Pacific ocean for around 8 years. Majuro, Micronesia, Marshal Islands, Australian East Coast around Sydney.
9. Attended to all refits on Yacht Sweet Waters during South African chartering period (1993 to 2015) as such all to SAMSA commercial standards.
10. Refitting activities on Sweet Waters included upgrading, service and replacement of:
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 - 10.1. All plumbing
 - 10.2. All electrics
 - 10.3. All hydraulics
 - 10.4. Drive-shaft assembly including redesign
 - 10.5. Complete installation of Furuno Navnet system including
 - 10.6. Wind instruments, Log, depth sounder and fish finder Radar
 - 10.7. AIS and Autopilot
 - 10.8. Navigation software, chart, weather, Internet and transducer integration
 - 10.9. Integration of navigation system via Wifi network to 3 laptops, smart phones and tablets.
 - 10.10. Installed all VHF and HF radios together with tuners and antennae.
 - 10.11. Installed 1.5 ton electric windlass, together with switches and relays.
 - 10.12. Installed 220V and 110 V Invertors
 - 10.13. Selected, engineered and installed solar cells, wind generator and battery bank for self sufficient cruising.
 - 10.14. Selected components, designed and installed 12V Danfoss refrigeration

system.

- 10.15. Designed and built solar and wind charge controller stations
- 10.16. Repaired various electrical components including battery chargers.
- 10.17. Designed and installed computer navigation system linked to an onboard network.
- 10.18. Designed and deployed live entertainment system on board for Keyboard and vocals as well as PA system for addressing public on harbour tours.
- 10.19. Rebuilt engine
- 10.20. Designed and did technical drawings and supervised construction of the engine's heat exchanger. See <http://www.izak.co.za/Headertank.pdf> ;
<http://www.sailblogs.com/member/sweetwaters/366781> and
<http://www.sailblogs.com/member/sweetwaters/364390>
- 10.21. Removal and Installation of head and engine on three occasions including plumbing and electrics.
- 10.22. Designed, wired and installed steering station instrument panel and command unit.
- 10.23. Designed and set up navigation system deployed on three windows and one apple computer backed up with world-wide charts, pilots, instruction manuals and medical diagnostic tools.
- 10.24. Added a double furling headsail
- 10.25. Enclosed the cockpit with a permanent structure
- 10.26. Designed and constructed awnings for the aft decks for charter purposes
- 10.27. Installed stack packs.
- 10.28. Replaced rigging
- 10.29. Designed and built a bow roller for anchor.
- 10.30. Applied copper cladding to hull as 10 year antifouling system.
- 10.31. Attended to all shaft withdrawals and inspections by SAMSA personally.
- 10.32. Designed and installed system of prop-shafts and plumber block bearings for shaft to replace Vetus flexible couplings.
- 10.33. Designed and installed a double thrust bearing on the shaft
- 10.34. Autopilot installation including hydraulics and electrics.
- 10.35. Replaced helm pump and hydraulic steering ram
- 10.36. Replaced gas piping and designed and installed own flame safe system on galley stove,
- 10.37. Installed barbecue (converted to gas) and geyser.
- 10.38. Solved osmosis problem on hull.
- 10.39. Replaced numerous areas of teak decking and underlying rot in marine ply.
- 10.40. Replaced portlights.
- 10.41. Designed and installed water storage tanks. Increased by 1 ton
- 10.42. Designed and installed diesel filtration and diesel system on main engine.
- 10.43. Replaced head gaskets, oversight of skimming and replacement of valves and stem-seals.
- 10.44. Constructed numerous fittings for interior of vessel out of teak and other materials such as formica.
- 10.45. Replaced and rebuilt hatches.
- 10.46. Designed and installed steering station windows out of polycarbonate.
- 10.47. Replaced decking
- 10.48. Repaired toerail
- 10.49. Refurbished sextant.
- 10.50. Refurbished many valuable pieces of antique furniture, black powder weapons (including building gun cases) as well as a sextant, anemometer and chronometer.
- 10.51. Designed and supervised upholstery of vessel on two occasions.
- 10.52. Replaced mast rigging.
- 10.53. Built collapsible aluminium frames for awnings.
- 10.54. Supervised (yes I do, I insist, especially when I have signed an indemnity)

Umpteen haul-outs, slings, slipways, cranes.

11. Supervised and personally assisted with maintenance and repairs on numerous overseas cruising yachts visiting Durban and Richards Bay during entire chartering period. That is what charter captains get asked to do. Sometimes for nothing. Don't get any ideas.
12. Extensive knowledge of admiralty salvage law having produced extensive heads of arguments that precipitated settlement in a reported salvage case in the Durban High Court.
13. Produced commentary on the powers of surveyors as described in the Merchant Shipping and SAMSA Acts of parliament in South Africa and the limitations of such powers as occasioned by the fundamental rights, constitution, criminal law, local and international case law and case studies.
14. Founder member of the Durban Charter Boat Association.
15. Served as chairman and treasurer of various committees in tourism sector.
16. Planned and supervised refit of Motor Vessel Venture II of Hout Bay Cape Town in 2016 and which refit entailed: -
 - 16.1. Repair and brace up frames of deck in forepeak.
 - 16.2. Remove all dry rot and replace areas such as bilge frames panelling, decking etc throughout vessel.
 - 16.3. Cover entire deck in AMC epoxy saturated 6 oz fibreglass matting.
 - 16.4. Source order and install 4 X 100 litre water tanks with gauge, pump, breathers and selection manifold in fwd bilge.
 - 16.5. Design and construct double bed, desk and wardrobe in forward cabin, with access for SAMSA inspections.
 - 16.6. Construct two berths, seating heads and shower combination in mid cabin space.
 - 16.7. Install all plumbing including powered shower sump and electrical controls for lighting as well as plumbing.
 - 16.8. Install automated bilge pump and two manual versions for forward bilges
 - 16.9. Design and construct entertainment area and wet bar with basin and fridge for upper deck area with artificial grass matting and round off with blue mood LED lighting and spotlight for barbecue.
 - 16.10. Remove the old galley completely, sorted out the wiring to the upper deck and supervised installation of new galley with marble tops including sink, gas stove and plumbing connections.
 - 16.11. Sourced and supervised installation of gas geyser system including design and construction of gas storage cabined with emergency releases as well as grouping and routing gas lines and plumbing through the engine room.
Reorganised wiring in engine room.,
 - 16.12. Sourced and installed 12v as well as 24 Volt battery banks and chargers as well as battery for VHF radio to comply with ICASA regulations.
 - 16.13. Updated and compiled a set of line drawings for vessel from the stability book.
 - 16.14. Supervised the replacement of all ceiling liners as well as design and construct ceilings for front cabins.
 - 16.15. Supervised templates and manufacture of all mattresses as well as removal carpets, curtains blinds and all new upholstery in leather for the entire vessel.
 - 16.16. Repositioned navigation lights and installed radar reflector
 - 16.17. Ordered all new safety equipment and flares.
 - 16.18. Dealt with SAMSA re licensing of the vessel.

- 16.19. Dealt with Harbour Master and Works Manager at slipway to arrange for slippage of vessel.
- 16.20. Pre planning with engineers re the drawing and servicing of drive shafts.
- 16.21. Supervised and assisted hydraulics tradesmen in sorting out helm operation, valves in engine room as well as hydraulic windlass and labelled all hydraulic lines as well as reroute other lines to accommodate cabin construction in forepeak.
- 16.22. Supervise engine service of two straight 8 cylinder Gardner engines, develop start up, bleeding and shut down procedures.
- 16.23. Design strategy for deploying GPS, AIS, DSC VHF and other instrumentation on the vessel.
- 16.24. Assist in repair of Morse throttle and gear control cables.
- 16.25. Investigate and attempt fix of rudder angle indicators.
- 16.26. Re-organise and label most of the 12V 24 V as well as 220V wiring systems on board.
- 16.27. Install extra 220V power points all over vessel together with DB boards and trip switches.
- 16.28. Organise workable system of mooring lines and outlying anchors.
- 16.29. Supervise installation of armed response security system for vessel.
- 16.30. Constructed sump for main heads shower.
- 16.31. Installed extra skin fittings and non return valves for extra as well as existing heads, showers and basins.
- 16.32. Repaired leaking and failed sea cocks in situ while in the water.
- 16.33. Attended to stuffing boxes on drive shafts.
- 16.34. Designed and constructed tool cabinets for engine room from remnants of old galley.
- 16.35. Repainted the engines and floors in engine room.
- 16.36. Cleaned and services day diesel tanks as well as main tanks and developed working diagram and manual for fuel transfers.
- 16.37. Installed extra lighting in saloon and day bed areas.
- 16.38. Designed and develop drainage system for upper deck basin etc.
- 16.39. Source supervise and assist with DST antenna, receiver and TV installation.
- 16.40. Advise on computer as well as Mobile Tablet and Smart Phone based navigation software, interconnecting and installation.
- 16.41. Supervise all restoration and repair work to wood finishes, rails, trimmings and carpentry on vessel.
- 16.42. Supervised construction of aluminium frames covered in canvas as awnings for upper and aft deck areas.
- 16.43. Designed sourced and installed ceilings on both awnings.

- 17. For a photographic summary of the refit see <http://www.izak.co.za/VentureIrefit.pdf>
- 18. Am experienced enough to see to see that a job is well done before it is paid for.
- 19. Able to source decent products and services and old and experienced
- 20. Have a rare quality called common sense not taught in schools today.

Links

Sailing blog at www.sailblogs.com/sweetwaters

Facebook page at <https://www.facebook.com/Yacht-Sweet-Waters- 166836190988/>

Personal web page at www.izak.co.za

