

Engineer tasks completed 2022/2023.

Main engines:

Coolant analysis, injectors replaced, full service oil/fuel/belts/zincs.

Transmissions oil serviced.

Cleaned and painted engines, wrapped wiring with elect sleeving.

Racor primary fuel filter completely cleaned and service (gasket kit) + installed vacuum gauges.

Fuel tanks shock treatment for fungus and microorganisms.

Installed a polishing system RACOR FBO + flow meter.

Replaced DC 24v fuel transfer pump.

Steering/hydraulic:

Replaced both steering cylinders, installed a flow regulator, replace HP filter.

Cleaning/painting/wrapping hydraulic valves and components + repaired all leaks.

Replaced all steering hydraulic hoses and valves.

Replaced bow truster hydraulic solenoid/valve.

Replaced all oil tank return filters and stopped valve leaks, replaced HP oil filter

Replaced stabilizer HP oil filter + valves and repaired leaks.

Removed old oil transfer system pumps and hoses.

Replaced cooling pump and shaft oil seals.

Replaced heat exchanger zinc.

Replaced leaking valves and pressure gauge.

Electricity:

Replaced one under water light.

Replaced exteriors courtesy lights + bridge aft deck overhead led light by new generation and cancel transformer.

Replaced E.R overhead lighting by new led and repainted light location.

Installed instant hot water on both side.

Replace master head vent fan.

Replaced all faulty GFCI outlets.

Replaced all lower level guest arrangements lighting and removed all old transformer system.

Replaced all bilge pumps and automatic floats, re-wired all connections replaced relays and breakers (reconnection with Maretron system), tidied all wiring.

Replaced all electrical dimmers/switches/outlet painted Lutron switches multi command.

Replaced all led strip lights in salon/skylounge/heads and lower-level guest areas.

Replaced both shore power cables and re-made all different connector plugs.

Replaced anchor locker lights and switch, removed corrosion.

Replaced closet led strip light.

Dusted electrical pannels.

Air conditioning:

Replace stbd vip air conditioning switch temp control pad and electronic control module.

Replaced bunk bed crew blower fan and control pad.

Serviced air chillers and cleaned air handlers.

Water makers:

Replaced both water maker membranes and broken fittings.

Serviced both HP pumps at PIKA PUMPS north Vancouver.

Water system:

Tanks cleaned/treatment and inspected + replaced check valves.

Replaced both water pumps and re-layout water plumbing/valving.

Installed a water pressure tank after pumps and replaced fwd bilge water pressure tank.

Installed dock water dual pre filters + re-made dock water valves and fittings with framing.

Installed UV light purification system (bulb need replacement every year)

Replaced grey water sump pumps + float switches, cleaned sump boxes and installed filters.

Plumbing:

Replaced swim platform shower.

Replaced all deck drain hoses.

Repaired master tub faucet.

Generators:

Replaced injectors.

Coolant flush = thermostat.

Replaced all cooling hoses and elbows.

Replaced exhaust elbows and re-made heat wrapping.

Serviced and ultrasound cleaning on heat exchangers.

Cleaning/testing alternators and re-made all connections.

Replaced mounting rubber shocks.

Repainted both generators and sound frame panels.

Removed old sound/fire foam shield and installed new ones.

Stbd gen wiring wrapping.

Re-made coolant temperature sensors.

Replaced port side wet exhaust hose and re-glassed/epoxy muffler.

Sewage system.

Installed new U vent bleeder.

Installed priming valve system on fwd black water pump out system.

Flushed and shock treated black water tanks.

Serviced all Microfor vacuflush toilet sequential valve systems (gasket kits).

Replaced port/stbd and twin cabin head toilet system by Thetford Tecma silence Plus **(fuse for toilet command pads are the same than led stip lights 24v big enough for both, refer to boat blueprint for location).**

General:

Repainted machinery room ceiling, installed new storages and counter/work bench mats.

Replaced E.R floor mats.

Cleaned and disinfected/mold removing all air conditioning vent .

Replaced E.R exhaust fan filter.

Tinted fire pit glass top table.

Installed new painting/art.

Re-caulked bridge aft deck vent grills.

Repainted stern nav light mounting.

Repainted and re-caulked BBQ aluminum covering frames.

Installed bridge aft deck sunshade sail with stainless poles.

Installed starlink internet system.

Installed flybridge freezers.

Installed new washing machine/dryer guest laundry room.

Replaced all exteriors hatches gas springs and fwd bilge.

Cleaned and dry all bilges.

Repainted E.R bilges.

Installed new bilge ventilations extraction.

Installed crew rooms shelving, towel holders, port light blind.

Re-caulked all shower drains.

Replaced guest shower door gaskets.

Cleaned/decreased and Repainted E.R bilges.

Windlass:

Replaced pedal switches and re-wired all the fwd elec command.

Replaced fuse and relay faulty.

Installed new grease point nipple.

Tender:

Installed VHF antenna/GPS/Vesper marine navigation system + Garmin depth sounder/fish finder.

Replaced fuse block.

Installed all safety equipment.

Replaced bilge pump.

Bridge:

Installed new Vesper AIS and vhf system.

Replaced lighting relays and transformers.