



S/V Mystiko

Highly Outfitted 12 Meter Sloop Sailing Vessel

1996 Beneteau Oceanis 400

Hull 156

Two Cabin Owners Model

Yanmar 50 Hp

Contact

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General Specs

Length: 12 meters (39.5 feet)
Beam: 3.9 meters 12.83 feet
Draft: 5'
Displacement 16,000 lbs (light)
Ballast 5,600 lbs
Engine: Yanmar 4JH2E 50 HP Diesel
Fuel tank: 40 gals Generator tank 20 gals.
Water: 140 gals
I: 48.16' J: 13.50 P: 42.25' E: 15.58'

Major Items:

6kw Gen Set with less than 100 hours
Like new Sails
Water Maker
Harken Black Magic Turning Blocks
NMEA 2000 Network
Simrad Electronics and Autopilot
630 Amp/hr Lifeline AGM 12v battery house bank
Yanmar 50 HP motor with only 1000 hours
Inner Solent Sail
Overall boat is in like new condtion
Custom Electronics displays
Custom helm seat
Custom forward cabin mattress
Electric aft head
Electric cabin top winch
LED Lighting
Ultrasonic wind and speed instruments
Fish and Depth transducers
AIS Transponder
Built in Coffee Maker and Blender
Cold Plate freezer system
CruiseAir Turbo 16k btu reverse air-conditioning
Standing Rigging replaced and upgraded
New Mercury inflatable
New Tohatsu 9.9 outboard
Radar Arc
High end stereo entertainment system
Cell Phone base station amplifier
Interlux 2000 barrier coat with 3 coats of Micron 66 bottom paint
AutoProp feathering prop
Maintained and operated by experienced professional
Filtered fresh water system with variable fresh water pressure pump

Completely Upgraded 2009-2010 and again more recently

Bow:

Horizon Windlass with Quick model 1002 2 button remote control
Main Anchor "Bruce" with 80 feet of chain rode and 100' of 3 strand rode
Lunch hook Fortress Anchor with chain and 3 strand
New Spade 80 and others with 600 feet of rode
Additional Back up Anchors
Custom Stainless Bow Sprit for spinnaker with turning block
Custom installed large cleat in anchor locker to tie bridal to anchor rode

Rigging:

Schaefer Marine Jib Furler model 2100 with 5/8" Pin



Harken Black Magic Big Boat Turning Blocks at mast base



Harken Black Magic 5-1 main sheet blocks and Spriddle Block, Swivel with Becket



Harken Traveler 4-1 purchase

Spinnlock added to spinnaker halyard on mast

Spinnlock added to jib halyard on mast

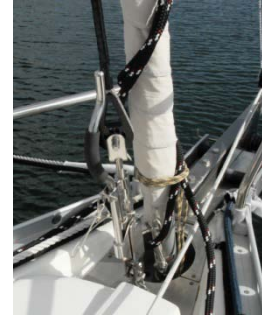
Anderson winch mounted on mast for jib halyard

Standing rigging replaced 2006 and upgraded to next size larger Stainless Steel
Spreaders replaced 2006

Added two flag halyards port/starboard with Stainless mini tie cleats



Custom Inner Forestay Solent Staysail Rig with added Tang near top of mast and



Added stainless steel "Highfield Lever" that is easily removable when not in use
Added high tech 9mm Dynex Dux line for the solent from Colligo Marine
Reinforced foredeck for hard point attachment of Highfield Lever for Solent Sail
Custom high cut Dacron sail for use in high winds made by Bremen Sails 2013

Deck Hardware:

Added Lewmar Electric winch & push button switch on cabin top port side
Added two Spinnlocks for traveler lines port/starboard
Changed all 6 deck cleats to larger sized from Beneteau 423 model

Added two LED Lumitech brand spreader mounted deck lights (bright with low power)



Added Johnson Pelican Hooks to Lifeline to bow railing and both Lifeline Gates with the
Over Center Design Pelican Hook with upgraded design and better function



Added Garhauer brand double foot block for jib and spinnaker sheets (Stainless Steel)



Added car on jib sheet track for inner staysail

Cockpit:

Added Lewmar self tailing Electric Winch to port side cabin top with deck switch



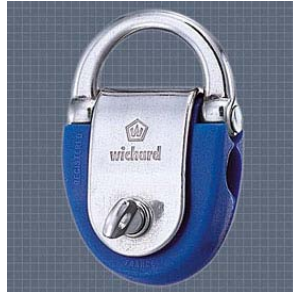
Added Spinlock 50mm Winch Feeder to starboard side cabin top



Added two Wichard Toe Rail Pad Eyes for spinnaker turning block attachment



Added two Wichard toe rail Pad Eyes to aft stainless stays to attach the preventer line



Added Wichard Boom Break as a Boom Preventer attached to port/starboard aft stays via Wichard Toe Rail Pad Eyes that hold the turning block to take line aft to mid-ship cleats



Added Stainless Steel Radar Arch

Main GPS MFD Multi Function Display Simrad NSE-8 with Navionics Chart

Back up GPS MFD Lowrance HDS 7

Simrad Autopilot Control Head AP-28



Custom made hatch boards with teak added to the plexi
Custom made dining fold up tables with teak inlay
Custom made GPS Multi-Function display & auto pilot dash board
Custom made instrument dash board to hold various instruments
Custom added helm seat with arms & custom ladder back moves for/aft & swivels
Added 4 folding cup holders
Added Icom command mic at helm
Added Icom 504 with separate VHF Antenna
Added Digital VHF Antenna for cockpit VHR Radio
Added Digital AIS Antenna on Radar Arch
Added GPS Antenna for Main MFD on Radar Arch
Added Simrad Radar Dome for 2kw Radar on Radar Arch
Added Glomex TV antenna for HD TV on Radar Arch
Custom made Stainless Steel VHF radio box built into the aft corner railing
Added Custom made teak step under helm seat
Added LED lights at ice chest red/white
Custom built ice chest top added teak inlay to match fold up tables
Added 12 volt cigarette outlet for cell phone charger
Added fool lights near cockpit floor with switch
Added switch to turn on/off engine exhaust fan
Custom made Cockpit cushions
Added transom Stainless Steel railings
Added 3 Stainless Steel fishing rod holders
Added stainless steel flag pole holder
Added light under radar dish
Added switch at nav station to turn off stern / bow lights for night sailing and use only the LED Lopo brand mast top tri light / anchor light

Electronics:

Installed N2k Network to connect all equipment to one network
Simrad MFD NSE 8



Simrad Auto Pilot with AC-42 computer, RC-42 Compass, reversible hydraulic pump

Simrad Auto Pilot head at helm AP-28



Simrad Auto Pilot head at nav station AP-24



Secondary station for nav station MFD to match the helm set up

Simrad IS-20's Combi and Multi (4 total) 1 at nav station 3 in cockpit companionway dashboard



B&G T-41 wind



IS 20 Wind



IS 20 Tack



Simrad 2k Broadband Radar

Simrad Depth / Fish finder BSM-1



Lowrance HD-7 GPS with built in GPS antenna (Uses same chart chip as Simrad)



Simrad AIS Transponder



Simrad NEP Network Expansion Port box with 5 ports



Airmar Ultrasonic Speed & Temperature Transducer in Bronze no paddle wheel



Airmar Ultrasonic Wind Weather Station PB-200 mounted on mast head



Airmar In Hull depth transducer P-79S Smart Sensor



Airmar In Hull fish finder transducer P79



Mas Technologies M-200 Analog Yanmar to NMEA 2000 black box

www.panbo.com/archives/2011/05/mastechnologies_m200_analog_yanmars_to_nmea_2000.html

LED mast top tri light anchor light with 2 NM visibility



Mast top Digital brand VHF antenna for VHF radio at helm
Icom 504 VHR radio custom installed at nav station

Icom Command Mic II at helm station



Henry Radio Inc 125 Watts power amp for VHF radio with aircraft type emergency power safety switch

WEMA Brand Tank senders in two water & two fuel tanks all with gauges

Digital Brand Cell Phone Amp with wireless connection to power Amp from Cell Phone with mast top mounted Digital Cell Phone antenna to extend range out to 30 miles



Most all overhead LED lights are 6 watt Cantalupi brand Stainless Steel with frosted lens and special dimmers



Other wall and reading lights are Imtra brand Ocean model in Stainless Steel



Engine:

Yanmar 4jh2e 50 Hp with approx. 1,000 hours

Reverso Oil 12v extractor pump for easy oil changes



Yanmar Oil Pan Banjo oil drain adapter to pump out the oil from the drain pan

Mas-Technologies M-200 Analog Yanmar to NMEA 2000 Network

This takes all the engine data such as RPM, Oil Pressure, Oil Tem, Engine Temp, Alternator, Battery, Fuel Tanks, and shows them on gauges on any MFD at the helm or at the nav station. Therefore there is no need for the old and worthless Yanmar Control Panel taking up space that is better served via a MFD

Racor 500 fuel filter water separator with primer bulb



Racor Vacuum Gauge (Two) one for main engine one for gen/set)



WEMA sender as fuel level sender in main tank

Oil and oil filter changed every 50 to 75 hours

Fuel filter changed as needed or every 100 hours

Coolant changed every other year with Caterpillar brand for heavy equipment

Engine compartment is clean and as is the engine no corrosion

Optima brand marine start battery
Groco bronze raw water sea strainer basket

Fire Suppressor System - Xintex Firboy alarm system with Extinguishers In main engine compartment



DC Power:

Xantrex Freedom Marine 2500 charger / inverter 100w charger with 2500w inverter
Xantrex LinkPro Battery Monitor
3 Lifeline AGM 4-D house batteries equally distributed & connected via 4/0 Marine Cable
1 Optima Marine Start Battery
Battery Combiner
1 Sealed start battery for Gen/set
Digital volt meter for house and start batteries.
12 volt Cigarette plug at nav station and helm
12 volt main panel has digital volt meter

Added secondary (Blue Sea 12 volt sub panel that has 4 additional breakers one for main autopilot power and one for additional oversized bilge pump with special (Restricted) breaker



Secondary high water Bilge Pump:

Rule 1500 mounted mid ships with 1 1/8" discharge hose out the transom - wired with separate restricted 12 volt breaker and oversized marine wire (*pump has factory 6' wire leads*) for no splices in bilge area

Bilge Control Switch BSW-1000 with pump controller and special float switch

http://www.marinecontrol.info/BilgeControl.html#anchor_64

Water Witch brand submersible electronic bilge pump switch not the original float switch for standard bilge pump

High water alarm wired into system with two Piezo buzzers from Floyd Bell of Ohio

AC Power

- Two 30 amp shore connections one for house one for air-conditioning units
- Breaker for GFI outlets throughout the boat (5)
- AC Breaker Panel for all AC circuits
- AC voltage and amperage meters
- Breakers for shore power near the input connection
- Breaker for main shore power
- Breakers for each of the two air-conditioning units
- Breaker for 12 Gallon water heater
- Breaker for water maker

Air Conditioning:

- Cruise Air Turbo 16k unit in the salon that feeds salon and forward cabin via heavy duty duct
- Cruise Air Turbo 12k unit for the aft cabin and galley area vents
- Cruise-Air control panels for each unit, each has cool & heat cycles
- Two march pumps with control box to choose one or the other, one pump runs both units so only one pump runs at a time.
- Groco bronze Sea Basket for raw water strainer
- Condensation pumps one for each unit

Generator:

- NEW Fischer Panda 6 KW with Sound Abatement Box and water exhaust system mounted low in starboard lazarette with only 60 hours of use
- Separate sealed start battery
- Generator control panel mounted on aft galley bulkhead near starboard lazarette
- Generator control rotary switch for choosing shore power or gen/set
- Generator voltage and amperage meters switchable from shore or gen/set
- Separate Generator 20 gallon diesel fuel tank
- Fuel transfer manifold with fuel transfer pump to be able to move fuel from main tank to generator tank or from generator tank to main tank.
- Racor fuel filter Turbine Series 500 fuel / water separator with vacuum gauge
- Reverso 12v oil extractor pump directly plumbed to oil sump
- Walbro 12v Fuel Pump with additional shut off valve
- Separate oversized raw water filter

Entertainment System:

- Sony CDX-M600UI Marine CD Receiver stereo head with iPod /MP3 connection and USB connection with wireless remote good for most iPods, iPhone, etc.

http://www.panbo.com/archives/2011/05/sony_marine_cdx-m60ui_jeffrey_schwartz_review.html



3 Phonenix Gold Power amps M50 & M25's



Sony 10 CD changer with 4 extra 10 cd cassette holders networked with Sony Stereo Head unit



DVD Player

LCD TV in forward cabin with feed from DVD player & tunable exterior HD TV broadcast antenna
Diamond Audiol brand Speakers and Crossovers two tweeters, two small mids, two med mids,
one sub woofer in salon

4 Cockpit speakers with separate tweeters and crossovers



Galley Accessories:

Built in custom mounted blender

Built in custom mounted coffee maker
Built in custom mounted Panasonic Microwave
Toaster
Seagull X-IF drinking water filter system with faucet at galley sink



Cold Plate system for freezer with 12v fan in the refrigerator for cold air circulation
Separate temp control knob for freezer compartment
Cal Pump Stainless Steel Marine Pump for raw water cooling of the compressor with separate raw water filter
Custom build spice rack and accessories holder
Single handle sink faucet with pull out sprayer head
Two soap dispensers one for dishwashing soap and one for hand soap
Faucet for manual foot pumped sea water into sink
6w LED light fixture added over stove in headliner (matches all overhead LED lights)
6w LED light in headliner for area lighting with its own switch
Low wattage florescent light over sink with its own switch
Custom silverware drawer to hold silverware in-place
Flashlight holder

Fresh Water:

Two tanks each hold approx. 70 gal. each for total of 140 gallons
All tanked water runs through water filter system
Drinking water at galley is filtered via SeaGull Water filter with separate faucet
Each tank has a WEMA water sender that send water level to gauge at nav-station
Tanks kept clean
Shurflo Variable Speed Extreme Series Smart Sensor 4.0 Fresh water pump



Water Maker:

Galley Maid brand Reverse Osmosis Desalinating Unit all Stainless Steel for up to 350 gallons per/day, plumbed with dual pre-filters and ball valves

Forward Cabin:

Custom made HMC inner spring mattress 8" thick for good nights sleep
Custom made high thread count sheet and pillow cases that match other sets throughout
Custom made bedspread cover that match other sets throughout
Two LED reading lights
One Red night light with swivel head and separate light switch
LED strip light in hanging locker with lighted switch
Two 6 watt LED Overhead recessed lights with dimmer control
LCD Television set with remote and antenna control unit
Oceanair Skyscreen custom fit over the cabin hatch for sun and or insect control



Flashlight holders

Forward Head:

Jabsco manual head with new twist and lock pump handle
New Single handle faucet with pull out spray head
Two LED lights with two switches for low light or full lighting needs
Flashlight holder

Aft Head:

Jabsco Marine 12v Quite Flush head unit with two pump system uses raw water (*always flushed and rinsed with fresh whenever used*)
LED overhead light
Flashlight holder

Port/Hatches

OceanAir Roller Blind on two cabin top portlights
OceanAir Roller Blinds on all portlights
Lewmar hatches and ports all replaced in 2006

Fire Suppressor Systems:

Xintex Firboy alarm system
Extinguisher In main engine compartment
In generator lazarette compartment

Hull:

Interlux Micron 66 bottom paint two coats Black with one blue flake coat over 10 mills of Interlux Interprotect barrier coat

Prop:

AutoProp H5 feathering prop with special zinc adapter to accept lower cost and large zincs



Weems Plath Ships Clock and Barometer (chrome) mounted near nav station

Safety Equipment:

- Stainless Steel lifelines with white cover
- Xintex Firboy fire suppressor & alarm in both the engine and generator compartments
- Man overboard pole with flag
- 12 life vests in cases of 6 each
- 6 Sailing Harnesses
- Custom made Jack Lines for Port and Starboard
- Two inflatable life vests with harness
- LED Flashlights in each area set in wall clips
- Cockpit cushions that float
- Extra stainless steel railing on swim platform
- Reserve 20 gal. fuel tank with transfer pump for main engine
- LED Deck Lights
- Mast climbing seat/harness
- Extra Halyard
- Mercury inflatable with new 9.9 hp Tohatsu engine with 12v high pressure pump
- Inflatable large boat fenders
- Extra Taylor boat fenders
- Extra anchors and anchor rode
- Back up engine and gen/set part kits
- Tool kit
- Extra Large First Aid Kit well equipped to go off shore
- Back up bilge pump with high water alarm

DECK FITTINGS

- Anodized aluminum Stemhead fitting with (2) rollers, one tilting
- Anodized aluminum toerails
- (6) anodized aluminum mooring cleats (OVERSIZED)
- (4) roller fairleads aft and amidships
- Aft anchor roller to port
- SS bow pulpit with red/green navigation light
- SS two part stern pushpit with removable lifeline, horseshoe buoy support and flagstaff holder
- 24", stainless steel stanchions
- Double SS lifelines with gates port and starboard
- Self draining anchor locker with anchor rode eyestraps
- Manual windlass recessed in anchor locker
- (2) handrails on coachroof
- Halyards and maneuvering lines led aft to cockpit under a deck cowling
- (7) spinlock stoppers for halyards and maneuvering lines
- (4) 6" aluminum anodized cleats
- (2) 30CST maneuvering winches
- (2) 48CST genoa sheet winches
- Mainsheet traveler on coachroof with adjusting lines
- Coachhouse mounted genoa tracks with cars
- (2) genoa sheet turning blocks on coachhouse
- (2) sail and liferaft storage lockers in cockpit
- Lazarette locker with access to steering quadrant
- Teak slats on cockpit seating
- Aft swim platform access door in transom
- SS swim ladder with teak steps and hand hold
- (2) equipment lockers in swim platform
- Stern light on transom
- Transom fender
- Cockpit table/steering pedestal with:
 - (2) folding leaves (CUSTOM WOOD INLAY)
 - Table light (LED)
 - Insulated icebox with drain
 - Hand hold
 - Leather covered wheel
 - Glassholder on pedestal (MANY IN COCKPIT AREA)
 - Compass
 - Engine instrument panel (NO - REPLACED VIA MULTIFUNCTION DISPLAY ON NETWORK)
 - Single lever engine control
 - Panel for electronics
- Stern pulpit seat

MAST AND RIGGING

- Anodized aluminum mast and boom (BOOM REPLACED 2012)
- Double aft swept spreaders
- In-mast mainsail furler
- Genoa furler with drum recessed below deck
- Mast step with halyard turning blocks
- Anchor light
- Steaming light

STANDING RIGGING

- Stainless steel discontinuous rigging
- Forestay
- (2) backstays
- (2) upper shrouds
- (2) forward lower shrouds
- (2) aft lower shrouds

RUNNING RIGGING

- Main halyard
- Genoa halyard
- Genoa sheets
- Mainsheet
- Main topping lift
- Traveller control lines
- Furler control line
- Mainsail furling control lines

SAILS

- Furling mainsail
- 148% furling genoa with UV strip

INTERIOR ACCOMMODATIONS

FORWARD HEAD

- One piece molded head compartment
- USCG approved marine head and holding tank
- Sink with stainless towel bar
- Hot and Cold pressure water
- Hand held shower
- Electric shower sump pump
- Storage cupboards

- Mirror
- Lewmar trimline opening hatch 18" x 12"
- Roller blind
- Fixed portlight
- Opening port in coachhouse
- Halogen lighting

OWNER'S CABIN FORWARD

- Double pullman berth to starboard
- Shelves along hull side
- (2) large drawers under berth
- Settee to port
- Hanging locker
- Lewmar trimline opening hatch 20" x 15"
- Roller blind
- (2) Lewmar opening ports in coachroof with blinds
- (2) fixed ports in hull
- Dorade ventilator
- Halogen lighting
- Reading light

MAIN SALON

- U-shaped settee with water system access under aft end
- Salon table with storage in center
- Table folds down to form double berth
- Lockers and bottle storage along hull side
- Handrail along coaming
- Fixed hull port
- Lewmar opening port 23" x 5"
- Lewmar trimline opening hatch overhead 20"x 15"
- Roller blinds
- Halogen lighting overhead
- Reading lamps

GALLEY

- 2 burner propane stove with oven and ss protection bar
- Double ss sinks with hot and cold pressure water
- Carving board fillers for sinks
- Sea water foot pump with ice box drain system plumbed
- Dish drainage locker
- Insulated icebox with two baskets (6 cubic foot)

- 12 volt refrigerator in front loading compartment
- 12 volt freezer in top loading compartment
- Roll out grocery storage compartment
- Trash can
- Dust collection pan built into cockpit sole
- Handrail on coaming
- Fixed hull port
- Lewmar opening port 12" x 5"
- Lewmar trimline opening hatch 10" x 10"
- Roller blind
- Halogen lighting
- Neon light overworking space
- Curved portlight to cockpit

NAVIGATION STATION AND SALON

- Large hanging locker
- Aft facing chart table
- Drawer and locker under table
- Locker in chart table seat
- Book rack and shelf
- Hinged panel for electronics installation
- Hinged multi function 12 volt electrical control panel
- Fixed port in hull
- Lewmar opening port 23" x 5"
- Red/white night light
- Handrail on coaming
- Large storage cabinet

COMPANIONWAY

- Plexiglass sliding hatch
- Plexiglass hatch boards with vent (CUSTOM MADE WITH TEAK TRIM)
- Aluminum hatch board frame
- Fiberglass engine cover with molded wood steps and non-skid on treads
- Engine access
- (2) handrails

AFT HEAD TO PORT

- One piece molded head compartment
- USCG approved marine head and holding tank
- Electric shower sump pump
- Sink with stainless steel towel bar

- Hot and cold pressure water
- Hand held shower
- Storage cupboards
- Mirror
- Lewmar 12" x 5", opening port with blind
- Halogen lighting

AFT CABIN(S)

- Double berth
- Hanging locker
- Storage lockers
- Engine access panel
- Lewmar trimline opening hatch 10" x 10"
- (2) Lewmar opening ports 12" x 5"
- One fixed portlight to cockpit
- Blinds on hatches and ports
- Halogen lighting (ALL CHANGED OUT TO MARINE LED'S)

PLUMBING

- Pressure water pump
- Accumulator on pressure water system
- Rigid water tanks 140 gallons
- Shower at transom

ELECTRICAL

- 24 Function 12 volt electrical panel
- Pressure water pump
- Electric bilge pump
- Accumulator tank on pressure water system
- Water heater 12 gallons

ENGINE EQUIPMENT

- Engine compartment insulation
- Fuel capacity 41 gallons
- Fuel gauge
- Hourmeter
- Tachometer
- Engine alarms
- 1 X Optima Start battery
- 3 X 210 amp hour house batteries

- Battery Charger Xantrex Freedom Marine 25
- Winch handles
- Owner's manual
- Spare parts kit

SAILS (Like New)

Custom Axis Laminate jib 148% CAL - 2250 Denier Vectran with UV Cover of Sunbrella
Main (Dacron)

Asymmetrical Spinnaker custom made by Calvert Sails 1,250 sq/ft with twin sheets

Inner Stay Sail custom made hank on by Bremen Sails - Dacron

ATN Storm Sail

Storm Tri-Sail (used)

Back up Main and 156% Jib custom made from Spectra (USED)

The owner reserves the right to alter equipment and specifications without notice. All specifications are approximations and are not contractual in nature.

The list is very long, having a Marine Services Division in my firm helps, but not much other than I know what is good and how it should be installed... but for short list of equipment here it goes:

Fisher Panda 6kw 120v gen/set with less than 100 hours with separate start battery, and fuel tank, Xantrex Marine 2500 inverter/charger, 3 Lifeline AGM 4D house batteries, Xantrex LinkPro Batt/Monitor, Optima Start Battery, Digital DC volt meter at main 12v panel, aux. 12 volt panel added, additional bilge pump and "auto pump system" installed, two CruiseAir Turbo 16kw & 12 kw air-con units with sound shield and upgraded ducting, custom 8" thick forward cabin mattress, all new Lewmar ports & hatches, custom high end fabric salon cushions, all interior lights have been changed out to Cantalupi brand 6w LED lights with additional overhead lighting and dimmers added, all other wall mounted high end Danish Frigast lights have LED bulbs. Galley has coffee maker, blender and microwave all built in. Freezer is cold plate 120v system. Fuel transfer pump, Shurflo Extreme Smart Sensor 4.0 fresh water pump, multiple fresh water filter system, Galley Maid fresh water maker system, Jabsco electric aft head, two Reverso oil extraction pumps one for main engine other for gen/set. Racor 500 fuel filters with vacuum gauges for both engine and gen/set, main engine is Yammar

4jh2e with less than 1000 well maintained hours on it. AutoProp with special standard zinc adapter on it, bottom was given 10mils of Interlux Interprotect 2000 and bottom painted with 3 coats Interlux Micron 66, bow has custom made short bow sprit for asymmetrical spinnaker, custom made inner staysail rigged with non stainless line, custom sail made for this, new high tech jib on heavy duty Schaefer jib furler, full custom Sunbrella Dodger and Bim. Top., full cockpit cushions, custom Capt. Helm seating, custom MFD (Multi Function Display) dash board built at the helm to hold the main GPS/MFD which is now B&G/NSE-8 with NSE-8 down below at nav station... all electronics including the engine is on N2k network, custom dashboard at companionway that now holds 3 Simrad IS20's and one B&G T-41 instruments, with another mutli IS20 at nav station below. Also at the helm is the backup Lowrance MFD/GPS, and of course the Simrad autopilot AP28 with an AP24 at the nav station below. Two separate Icom base station VHF radios with two separate antenna systems one mast top and one off the radar arch, Command mic at helm for VHR ratio in custom SS box built into the cockpit radar arch, two handheld Icom radio and of course Simrad Radar... The top of mast has Lopo LED tri light for navigation and anchoring and which also lights up the "Windex". ...also have the Airmar PB 200 ultrasonic wind instrument at the mast head. Lewmar anchor windlass with Quick hand held wired remote on the bow. Ultrasonic transducer for speed and depth all feed all instruments on board. Entertainment is provided by late model Sony marine head with very high end tri amped speakers, cd/dvd player and very small flat screen tv in the forward cabin also with Glomex Tv antenna mounted on the custom radar arch along with AIS, GPS, VHF antennas. Ok all running gear is Harken Black Magic big boat stuff, all running lines are were changed out to high tech as needed. Double foot blocks for jib and or inner s/sail, added one Lewmar electric winch, to cabin top. Storm sail, custom storm trysail, custom inner staysail, custom asymmetrical spinnaker, new boom, This list keeps on going and going but you get the gist of it... I love our boat and have put quite a bit into her.

Also a new never used Mercury 10-11' inflatable with high pressure floor and 12v air pump new never used Tohatsu 9.9 4 stroke.