

# Sojourn

## Sailboat Data

**Manufacturer** Catalina Yachts  
**Type** Fiberglass hull sloop (Hull 495)  
**Model Number** 36 Tall Rig  
**Hull Number** CTYR0495E85  
**Hull Color** White  
**MI Registration #** MC 0629 LY expires 3/31/12

## Inflatable

**Manufacturer** Mecury Marine (2004)  
**Type** 240 RU-S-EA SPORT (8 ft.)  
**Model Number** A-A240QS2N  
**Hull Number** KR-USA07057A202  
**Hull Color** Light Gray  
**MI Registration #** MC 1397 SN expires 3/31/10

## Inboard Motor

**Manufacturer** Universal (1985)  
**Type** 3 cyl diesel  
**Model Number** M-25  
**Serial Number** 412260

## GPS

**Manufacturer** Garmin  
**Type** Map display  
**Model Number** GPSMAP 230  
**Serial Number** 52350430

## Radar

**Manufacturer** Display Unit  
**Type** RayMarine  
**Type** SL72 PLUS  
**Model Number** E52028  
**Serial Number** 0120425

## Fixed VHF Radio

**Manufacturer** Uniden  
**Type** Fix Mount  
**Model Number** MC 724  
**Serial Number** 53000241

## Binnoculars

**Manufacturer** Steiner  
**Type** 7 x 50 w/ lighted compass  
**Model Number** Navigator II  
**Serial Number** 0013009093

**LOA** 36' 4"  
**LWL** 30' 3"  
**BEAM** 11' 11"  
**DISPACEMENT** 13,500lbs. (Catalog Wt)  
**Ballast** 6,000lbs  
**Draft** 5' 10"  
**100% sail area** 601 sq ft  
**I** 46.75'  
**J** 14.33'  
**P** 41.00'  
**E** 13.00'  
**Prop** Bronze 3-Blade Fixed 15" dia x 9" R.H  
**Shaft** 1-1/8"  
**Depth sounder offset** 4' 4"

## Outboard Motor

**Manufacturer** Nissan (2004)  
**Type** 5 HP 4 Stroke 15" 3 Blade Al. Prop  
**Model Number** NSF5A21  
**Serial Number** 047085XC

## Loran

**Manufacturer** Micrologic  
**Type** Alpha-numeric display  
**Model Number** ML-7500  
**Serial Number** 05651564-1

**USCG will phase out in 2010**

## Radar

**Manufacturer** Scanner  
**Type** RayMarine  
**Type** 2D-2kW (8-Pluse Width)  
**Model Number** M92650  
**Serial Number**

## Hand Held VHF

**Manufacturer** West Marine (Uniden MHS450)  
**Type** Waterproof hand held VHF  
**Model Number** VHF150  
**Serial Number** 607Z-84007457

## Repeater

**Manufacturer** Raymarine  
**Type** 4-line Graphic Repeater  
**Model Number** ST60+  
**Serial Number** E22075-P0460092

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## Tank capacity:

Tank	Capacity (Gal.)	Location	Comment
Hot Water	6	Under Aft Dinette Seat	Atwood Mdl EHM6-SM *
Head	18	Under Forward Dinette Seat	New Ronco 167 in 2004 Xintex LLM-1 gauge & PFS-12 sender
Fuel Tank	30	Under Aft Dinette Seat	Atlantic Coastal Welding**
Water	20	Starboard (under quarter berth)	Ronco Mdl # B152
Water	21	Port Under (Queen berth Aft)	Ronco Mdl # B151
Antifreeze	2 qts	In Engine Compartment	Universal # 300238
* Atwood serial # 71635 1500Watts 120 VAC w/ Emergency Cutout w/ Engine Heat Exchanger			**Atlantic Coastal Welding 16 Bulter Blvd. Bayville, NJ 08721 800-434-8262 Made of 0.125" Alum 5052 built 5/12/06 Serial # 296660506

## Electrical Devices:

Type	Description	Location	Comment
Battery	Lifeline GPL-31T	2 ea. Aux under seat in front of nav. Station	105 AH, 69 lbs. L 12.9" x W 6.75" x W 9.27" AGM type (date:4/05) Rotate every year with House batteries
Battery	Lifeline GPL-31T Hell Roaring	2 ea. House under seat port side of dinette	105 AH, 69 lbs. L 12.9" x W 6.75" x W 9.27" AGM type (date:8/07) Rotate every year with Aux batteries
Battery Isolator	Technologies BIC-95150B	Bulk head behind electrical panel by nav, station	Bias to House Battery, very low ampere loss.
Inverter/charger	Exide Mdl 2000EX	Stbd side of small table in front of nav. Station	Max. charge 110 Amps, max inverter 2,000 Watts (194A @ 12 VDC)

## Battery Values:

Type	Description	Values	Comment
Charging	1st stage	Bulk: 14.2-14.4 VDC	
Charging	2nd stage	Acceptance: 14.2-14.4 VDC	
Charging	3rd stage	Float 13.2-13.3 VDC	
Equalizing		15.5 VDC @ 8 hrs	Done, if batteries won't keep a charge.

Charge Levels	
Voltage	% of Charge
12.80+ VDC	100%
12.55 VDC	75%
12.20 VDC	50%
11.75 VDC	25%
10.50 VDC	0%

## Oil Filters

Universal 30209, Fram PH3593A, WIX 51334, Carquest 86390

## Fuel Filters

Universal 298854, Fram P7514, WIX 33390, Racor R12T (10μ), Racor R12S (2μ)

## Engine Oil

SAE 30 HD CD 10W40

## Transmission Oil

AFT "A" GM- Dexron II (Don't mix types)

Outboard Oil	Spark Plug	Gap
10W30 or 10W40	NKG DCPR-6E	.031"-.035"

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## Fuel Log

Year	Date	Hour Meter Rdg.	Hrs Run Since Last Fill-up	Gal. Added	Ave. Gal./hr	Hours/ season based on start/ end of season log readings	Hours/ Season based on fuel data only	Gal./ Season	Ave. Gal./hr/ Season	Comment
1999	7/12/99	1446.14	23.03	9.0	0.391					
	7/16/99	1467.35	21.21	9.6	0.453					
	9/12/99	1490.00	22.65	12.7	0.561					
	10/21/99	1504.43	14.43	3.2	0.222	109.53	81.32	34.5	0.424	
2000	6/25/00	1517.29	12.86	2.9	0.226					
	7/25/00	1543.36	26.07	12.2	0.468					
	9/9/00	1560.18	16.82	8.2	0.488					
	10/20/00	1578.80	18.62	8.2	0.440	81.50	74.37	31.5	0.424	
2001	6/17/01	1596.60	17.80	6.4	0.360					
	7/17/01	1602.60	6.00	1.5	0.250					
	7/26/01	1634.80	32.20	15.1	0.469					
	7/31/01	1657.40	22.60	8.9	0.394					
	8/10/01	1678.30	20.90	13.3	0.636					Included Sludge Pump Out
	10/20/01	1698.60	20.30	6.7	0.330	117.40	119.80	51.9	0.433	
2002	7/18/02	1723.00	24.40	6.8	0.277					
	8/2/02	1742.00	19.00	9.3	0.489					
	8/6/02	1755.80	13.80	7.2	0.522					
	8/15/02	1788.40	32.60	13.2	0.405					
	10/5/02	1818.30	29.90	12.7	0.425	114.10	119.70	49.2	0.411	
2003	8/8/03	1859.40	41.10	17.5	0.426					
	9/27/03	1866.50	7.10	3.0	0.423	48.50	48.20	20.5	0.425	
	Bruska's purchased boat in winter 2003									
2004	8/14/04	1885.17	18.67	7.0	0.375					
	8/23/04	1912.02	26.85	10.0	0.372					
	8/27/04	1936.03	24.01	12.7	0.527					
	9/26/04	1946.32	10.29	15.3	1.487	79.88	79.82	44.9	0.563	Operating at higher RPM: 2,000
	8/6/05	1982.12	35.80	16.3	0.455	54.92	35.80	16.3	0.455	Added 1 Qt 10w30
2006	7/16/06	2005.05	22.93	10.2	0.445					Data not good due to tank replacement
	8/2/06	2034.05	29.00	10.0	0.345					
	9/17/06	2059.28	25.23	18.2	0.721	67.98	77.16	54.7	0.709	Increased RPM to about 2,500 after new Heat Exchgr
										Changed out fuel filter to Racor when bowl grazed in Dahl fuel filter. Now 10 micron
2007	8/1/07	2088.80	29.52	18.4	0.623					Had tank inspected an partial pumped out lost 1/2 gal. of fuel
	8/10/07	2115.49	26.69	12.9	0.483					Data suspect due to repairs and loses
	9/29/07	2128.05	12.56	7.5	0.597	68.77	68.77	57.0	0.829	
2008	7/29/08	2146.63	18.58	13.000	0.700					First fill up since previous season includes trip to South Haven for the 4th of July weekend
	8/3/08	2164.17	17.54	10.020	0.571					Partial fill to keep the tank mostly filled during the North Channel Trip.

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Year	Date	Hour Meter Rdg.	Hrs Run Since Last Fill-up	Gal. Added	Ave. Gal./hr	Hours/ season based on start/ end of season log readings	Hours/ Season based on fuel data only	Gal./ Season	Ave. Gal./hr/ Season	Comment
2009	8/9/08	2188.49	24.32	19.151	0.787					Partial fill to keep the tank mostly filled during the North Channel Trip.
	8/17/08	2210.99	22.49	10.559	0.469					Partial fill to keep the tank mostly filled during the North Channel Trip.
	8/23/08	2233.48	22.50	11.000	0.489					Partial fill to keep the tank mostly filled during the North Channel Trip.
	8/26/08	2253.69	20.21	15.200	0.752					Partial fill to keep the tank mostly filled during the North Channel Trip.
	8/31/08	2277.13	23.44	15.800	0.674	149.08	94.730	102.230	0.686	Complete fill to get North Channel trip data
	7/10/09	2301.71	24.58	9.300	0.378					First fill up since previous season includes trip to South Haven for the 4th of July weekend
	8/19/09	2326.96	25.25	9.320	0.369					Partial fill to keep the tank mostly filled during the Traverse Bay Trip. Operated at mostlyl 2100 rpm
	8/24/09	2344.66	17.7	9.450	0.534					Partial fill to keep the tank mostly filled during the Traverse Bay Trip. Operated at mostlyl 2100 rpm

## Engine Maintenance Log

Hour

Meter

Year	Date	Rdg.	Comment	Part Number
1993			Moved Fuel filter & Pump	
			Replaced fuel sending unit	
			Regrounded the fuel tank	
			Replaced prop shaft packing	
			Installed iengine control protection panels	
			Added blower	
1994			Replaced impeller on water pump	
			Rebuilt fuel injectors	
			Started using fuel additive	
			Added new 105 amp alternator & regulator	
1996			replaced impeller (old one in good shape)	
1997			New Coolant hoses on engine	
	9/28/97	1342.89	Replaced both fuel filters	
1998	10/11/98	1395.47	replaced fuel filter on engine only, changed oil & filter	
1999	9/11/99		Replaced fuel pump w/ used pump, cleaned tank & pump screens	
	9/12/99		Cleaned fuel tank vent	
	9/18/99	1495.00	Installed new fuel pump new fuel filter	
	10/24/99	1505.00	Changed oil & filter	
2000	10/20/00	1579.00	Changed oil & filter	
2001	5/20/01	1586.50	Replaced fuel filter , changed oil & filter	
	7/25/01	1634.70	Changed cracked mixing elbow in exhaust, checked transmission fluid	
	7/29/01	1646.10	Replaced fuel filter on engine, cleaned screen on fuel pump	
	7/30/01	1646.80	Cleaned plugged screen on end of fuel line in tank	
	8/6/01	1678.00	Torreson replaced fuel filter on engine & Dahl filter, rerouted fuel lines so Dahl filter is between fuel pump & tank. Pumped out sludge from bottom of fuel tank, Rebuilt alternator, replaced 100 amp fuseable link after alternator. Clean fuel pump screen.	
	10/20/01	1698.00	Changed oil & filter	
2002	5/11/02	1703.90	Changed oil & filter	
	6/1/02	1709.00	New fuel filter	
	6/1/02	1709.00	Cleaned intake water screen	
	8/5/02	1755.70	Changed oil & filter	15W-40W Shellorette
	9/22/02	1815.30	Changed oil & filter	15W-40W Shellorette
	9/22/02	1815.30	replaced water pump impeller	
2003	spring	1818.00	Cleaned intake water screen	
	9/27/03	1866.50	Changed oil & filter	Shell Rottelat SAE 30 & Fram PH3593A
	Bruska's purchased boat in Nov. 2003			
2004	5/1/04	1866.50	New on engine fuel filter & Dahl filter element, replaced seal on raw water strainer and clean screen. Replaced prop shaft zinc	Racor IN 101-2 Dahl replacement element, Universal fuel filter #298854, CMX03 (West Marine)
	7/16/04		Replace Air Filter, Increased length of crankcase vent to place away from air intake and near bigle blower	Universal Filte w/ Foam cover #302181 (Torresen)
	9/25/04	1946.38	Changed oil & filter	Shell Rottela T SAE 30 & Fram PH3593A

## Engine Maintenance Log

Hour  
Meter

Year	Date	Rdg.	Comment	Part Number
2005	4/24/05	1946.38	New on engine fuel filter & Dahl filter element, replaced seal on raw water strainer and clean screen. Replaced prop shaft zinc. Replace raw water pump impler	Racor IN 101-2 Dahl replacement element, Universal fuel filter #298854, CMX03 (West Marine)
	5/7/05	1946.38	Repack the prop shat gland	
		1946.38	Added coalescing filter to engine crankcase vent	Wilkerson F03-01-000
	5/15/05			
	7/9/05	1964.04	Replaced Fuel tank gauge & sender	Teleflex Morse # 56948P/West Marine #385684
	10/1/05	1991.30	Changed oil & filter	Shell Rottela T SAE 30 & Fram PH3593A
2006	4/8/06	1991.30	Added 8oz. Transmission oil	Dextron III
	4/8/06	1991.30	Repack the prop shaft gland	
	5/14/06	1991.30	Rewired Alternator and Started Motor	Added 100 amp fuse to Starter (Vetus ZEHF Fuse Holder and ZE100 100 amp fuse)
	5/15/06	1991.30	Replaced Fuel tank and fuel hoses	Eldean Shipyard did the work (see Tank Capacity)
	7/22/06	2012.87	Engine Stopped, siezed coolant pump, added oil to transmission	Repaired by Torresen Marine, replaced pump and some coolant hoses
	9/14/06	2050.40	Replaced 2" heat exchange w/ 3" model replaced gaskets at at pump and valve covers and hoses	After work, still found minor leak at access port to high pressure pump after motoring back from Muskegan
	9/23/06	2059.28	Changed oil & filter Repaired gasket noted above	Shell Rottela T SAE 30 & Fram PH3593A
2007			New on-engine fuel filter & Dahl filter element, clean screen raw water strainer	Racor IN 101-2 Dahl replacement element, Universal fuel filter #298854, CMX03 (West Marine)
	7/30/07	2085.19	Replaced Dahl filter with Racor unit	120RMAM210 (10 micron) Racor Element #: R12T
	8/1/07	2088.70	Replaced shut off valve and bleed system replace on engine filter	
	9/29/07	2128.26	Oil & Oil Filter change	Shell Rottela T SAE 30 & Fram PH3593A
2008	Spring	2128.40	New on-engine fuel filter & Racor filter element, clean screen raw water strainer	Universal fuel filter #298854, Racor Element #: R12T
	8/4/08	2170.00	Replaced fuse holder for alternator regulator	Sec-12671 fuse holder and fues ATC 5 amp
	10/12/08	2281.77	Oil & Oil Filter change	Shell Rottela T SAE 30 & Fram PH3593A
2009	Spring	2281.77	New on-engine fuel filter & Racor filter element, clean screen raw water strainer	Universal fuel filter #298854, Racor Element #: R12T
	7/13/09	2298.02	Replaced coolant reclamation tank for engine	Universal #300238, Tank Coolant Recovery

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## General Maintenance Log

Year	Date	Comment	Part Number
1995		Removed Mast	
1999	4/20/99	4 new lead acid batteries	
	7/1/99	Added 4' pads to life lines	
	11/5/99	Installed new Dodger & modified sun shade	
2000	5/1/00	added Garmin GPS	Model 230
	5/8/00	Added two reef hooks	
	6/3/00	New life line covers	
	7/17/00	installed lazy jacks	
	7/20/04	instaled 2 speakers in V-berth w/speaker switch	
2001	5/3/01	New ST4000 plus Auto Helm	
	5/3/01	New V-berth foam cushions	
	5/3/01	New "Catalina 36" emblems	
	8/25/01	new fuel gauge in fuel tank	
		Redid all windows with 3M Restorer	
2002	5/11/02	Purchased new Radar	SL72 Plus
	5/26/02	Installed Radar	
		<b>Bruska's Purchased Boat Nov. 2003</b>	
2003	Winter	2002/2003 Eldean repairs to bottom Keel ground and faired,rudder crack fixed, strut for prop shaft repaired. Painted Hull.	VC-17M
	Winter	Replace Name and Hailing Ports Lettering	
	Winter	Replaced w/ ground fault plugs in galley & Head	
	Winter	Replace US flag	24" X 36"
	Winter	Replaced Spreader Tips	
	Winter	Added Automatic floating strobe light w/ bracket	ACR SM-2
2004	Spring	Repacked prop shaft	Teflon grease
	Spring	Replaced 2 blocks at foot of mast	Garhauer Mdl
	Spring	Purchased Inflatable dinghy	Mercury 240 Sport 8'

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## General Maintenance Log

Year	Date	Comment	Part Number
	Spring	Installed compass at nav station	Ritchie Voager B-80
	Spring	Installed head treatment dispenser	Earth Safe #032S34
	Spring	Purchased Hand Pump 36" 13gpm	West Marine HP36-72
	Spring	Repaired companion way screens	
	Spring	Made Fender Board and purchased 4 new fenders	
	Spring	Replaced mooring lines and bought new dock lines	
	Spring	Cleaned and greased winches (not done in a long time)	
	Spring	Power washed the cockpit floor boards	
	Summer	Whipped end of all running lines	
	Summer	Replaced and rewired stern light w/ rail bracket	Aqua Signal 25500-7 & 25900-1
	Summer	Bought new Emergency Running Lights	Innovatice 560-1601-7 & 560-2600-7
	Summer	Added Legal Fares	See Flares section
	Summer	Bought new Chart Kit	Richardson 7th ed. Lake Michigan
	Summer	Added 2 sportseats and two throwable cushions	
	Summer	Oiled Interior teak through the boat	
	Fall	Sealed rudder with barrier coat 5 coats, painted bottom, waxed hull	Interlux 2000E/2001E system, VC-17M,
	Winter	Stored in heated building at Eldean Shipyard	Mast removed and stored at Eldean's
	Winter	New fully battened mainsail leech line lead to gooseneck, two reefs	UK Sailmakers Dacron
	2/19/04	Purchased 5hp 4 stroke outboard	Nissan
	Spring	Replaced splices in Bilge pump system with water tight butt splices and bundled bilge and mast wiring into 2 bundles	Ancor shrink connectors with adhesive
	Spring	Installed new Head Plumbing replaced Tank, Hoses and toilet. Installed tank gauge on holding tank	Ronco Tank B167, Groco HF Manual Toilet, Sealand "Odorsafe" Hose, FireBoy-Xintex LLM-1 w/ FS-12 Flange Sending unit
	Spring	Repaired ST60 Tridata gauge fixed night light	
	Spring	Replaced both deck organizers, rebbeded throg holes w/ epoxy	Schaffer
	Spring	Replaced Boom outhaul sheaves on each end of the boom	Sava Industries BP5158
	4/22/04	Cleaned all exterior canvas	
	4/23/04	Added 6-part block and tackle to lift outboard on to rail.	Harken Micro blocks
	4/30/04	Cleaned and greased winches	
	5/8/04	Added Rigid Boom Vang	Garhauer RV-20-1
	5/15/04	Added Diodes to solar panels	



# Sejourn

## General Maintenance Log

Year	Date	Comment	Part Number
	5/15/04	Cleaned Bar-B-Q Grill, hadn't been cleaned in years	
	5/15/04	Removed old AM-FM antenna from mast, remove old boom lift, restrung flag halyards	
	5/17/04	Added terminal covers to batteries	
	5/28/04	Replaced single block on boom, part of main sheet system,	Garhauer 30-19-SL
	6/5/04	Replace bulb in bow light, replaced jam cleat on boom for outhaul, added cars for outboard track, Shaffer heavy type	
	6/12/04	Replaced Bilge Blower, repaired wiring for GPS	Rule Mdl # 140
	6/13/04	Installed outboard motor bracket on stern rail	C.S Johnson Mdl 48-551
	Fall	Painted bottom, continued to fair keel	Interlux 2000E/2001E system, VC-17M,
	Fall	Waxed hull and topsides	
<b>2005</b>	Winter	Stored in heated building at Eldean Shipyard	Mast removed and stored at Eldean's
	Spring	Repacked prop shaft	Teflon grease
	Spring	Varnished Teak in Head	Epifanes Gloss
	Spring	Added Legal Fares	See Flares section
	Spring	Faired forward and starboard keel/hull joint	
	Spring	Varnished Teak Topside	
	Spring	Repaired cockpit grate behind the wheel replace and reinforced slats.	
	4/17/05	Cleaned and greased winches	
	4/23/05	Replace all 4 Deep Cycle Batteries	Lifeline GPL-31T
	5/1/05	Added 3-way blidge pump switch to control panel, replaced old wiring.	
	5/7/05	Remove old wiring in for the instrument and re-wired GPS, Radar and Auto Helm so that they can communicate to each other	
	7/9/05	Re-sewed Zipper on Dodger, repaired canopy seams	
	7/9/05	Converted Spinnaker Downhaul to 2 part tackle adder preventer blocks forward stanhions bases P/S	Harken Caro single w/ becket 40mm & 3 ea w/o becket 40 mm.
	8/26/05	Replaced cabin fan with direct replacement	Guest Model 908
	8/26/05	Replace aft berth cabin light 10 watt	West Marine 2660900
	Fall	Painter bottom, continued to fair keel	Interlux 2000E/2001E system, VC-17M,
	Fall	Waxed hull	
	Fall	2 coats varnish on exterior teak	Epifanes Gloss wood Finish
<b>2006</b>	Winter	Stored in heated building at Eldean Shipyard	Mast removed and stored at Eldean's

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## General Maintenance Log

Year	Date	Comment	Part Number
	Spring	Added Legal Fares	See Flares section
	Spring	Repacked prop shaft	Teflon grease
	Spring	Re-wired Batteries w/ Isolator. Cleaned up wiring in Main Panel w/ Power Post	Hell Roaring Technologies BIC-95150B
	Spring	Added Repeater at Nav. Station	Raymarine mdl ST60+
	Spring	Refinished Main Floorboard in Main Cabin	3 Coats West System Epoxy & 3 coats Interlux 2-part polyurethane
	Spring	Replaced clock and barometer in Main Cabin	Weems & Plath Clock 552000 & Barometer 550700
	Spring	Oiled Interior teak through the boat	
	Spring	Added lifting Eyes to dinghy	Winchard 6504, 2 sets of Eye Bolts
	6/18/06	Replace Refrigerator system Waeco/Alder/Barbour	CU-100 Compresor, VD-150 Evaporator
	9/14/06	Re-sewed Dodger	Bluffton Bay Sailmakers, Muskegon
	Fall	Painted bottom, continued to fair keel	Interlux 2000E/2001E system, VC-17M,
		Waxed hull	
<b>2007</b>	Winter	Stored in heated building at Eldean Shipyard	Mast removed and stored at Eldean's
	Spring	2 coats varnish on exterior teak	Epifanes Gloss wood Finish
	Spring	Recaulked starboard upper chainplate	
	Spring	Removed and chalked the rails around the galley sink	Six coats on Epifanes Varnish High Gloss
	Spring	Replaced pole holder in aft berth	
	Spring	Replaced aft two floor boards in the galley	
	Spring	Replaced Main Haly'd Clutch	Lewmar D2 model 29101410
	Spring	Replaced Main Haly'd	Sampson Warpspeed 3/8"
	Spring	Installed shore water inlet	Perko 0499DP0CHR
	Spring	Replaced Genoa & furler Added rope clutch to furling line	UK Sailmakers Dacron 135% & Harken Cruising furler, Lewmar D1
	6/12/07	Repaired refrigerator, minor refrigerant leak	work done through Eldean's
	6/16/07	Service outboard, changed oil in lower case.	
	7/21/07	Alternator Regulator replaced wrecked two batteries	Xantrex
	8/4/07	Replaced two batteries, received credit against damaged batteries	Lifeline GPL-31T
	Fall	Waxed Hull	
<b>2008</b>	Winter	Stored in heated building at Eldean Shipyard	Mast removed and stored at Eldean's

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## General Maintenance Log

Year	Date	Comment	Part Number
	Spring	1 coat varnish on exterior teak	Epifanes Gloss wood Finish
	Spring	Rotated house and aux. Battery banks. Each battery on individual trickle charger over the winter	
	Spring	Repacked prop shaft, used 1/8" packing, in the future use 3/16" w/teflon grease	
	Spring	Installed new windlass, remote control. Reversing solenoid and up foot pedal and associated gear and wiring.	Maxwell VC, Maxwell P19045, Lewmar hand unit
	Spring	Bought replacement flares see separate tab. Had boat USCG Aux inspected passed without problem	
	Spring	Replaced cracked hose on water heater and replaced float switch on bilge pump.	Rule Super Switch
	Spring	Added new Lake Michigan and Lake Huron chart books for trip to North Channel	Richardson 9th ed. Lake Michigan and Richardson 6th ed. Lake Huron
	Spring	Passed USCG Aux. courtesy exam given 2008 sticker	
	7/3/08	Re-braced the mast some wedges schattered in rough seas	teak wedges and mast boot tape
	7/15/08	Changed anchor rode	60' 5/16" G40 proof coil chain and 200' of 9/16" braided line with depth markers.
	7/15/08	Added pad eyes for the jack lines. Added Canadian courtesy flag and anchor ball, new bow light for dingy and added extension pole for dinghy's stern light.	Innovative Lighting 560-1112
	7/29/08	Added second CNG tank and cradle in lazarette	Built cradle
	10/12/08	Power washed the deck after stripping all hardware	
2009	Winter	Stored in heated building at Eldean Shipyard	Mast removed and stored at Eldean's
	Winter	Waxed hull	
	Winter	Cleaned Barbeque grill	
	Spring	Rotated house and aux. Battery banks. Each battery on individual trickle charger over the winter	
	Spring	Painted bottom	VC-17M
	Spring	Cleaned and greased winches	
	Spring	Repacked prop shaft gland used 3/16" flax	
	Spring	Cleaned up wiring for control panel removed all tape installation and replaced with shrink tubing and fixed any splice defects.	

# Sojourn

## General Maintenance Log

Year	Date	Comment	Part Number
Spring		Purchased new mast collar and discussed same with Dennis the yard's rigger, he installed it.	
Spring		Had the Wind Instrument realigned and checked over. Service done by TheMariner's Center in Muskegan.	
Spring		Replaced registration tags for the next three years.	
Spring		Added temperature sensor for alternator regulator to house battery bank.	
Spring		Added second (down) foot pedal on foredeck for anchor windlass	Maxwell covered black pedal
Spring		Varnished exterior teak. 3 coats	Epifanes Gloss wood Finish
Spring		Replaced battery for hand held VHF radio, sent the battery to LiCd Lady in CA. To re-build.	
Spring		Added Chain Stopper to foredeck in front of windlass.	
Spring		Added 60' of 5/16 chain to primary anchor rode and changed out to fully universal anchor swivel.	5/16" G40 proof coil chain
Spring		Changed light bulbs in running lights to LED type (Bow and Stern). Didn't change the steaming light.	Dr LED replacement bulbs see bulb list
Spring		Varnished interior framing around the mast.	Epifanes rubber effect varnish
	6/17/09	Replaced Old Apelco VHF hand held radio, Rebuilt battery didn't work.	West Marine VHF150
	6/18/09	Oiled Interior teak through the boat	Amazon Golden Teak Oil
	6/18/09	Replaced antifreeze overflow tubing	
	6/20/09	Installed SS plates around the anchor locker roller to protect against damage to filberglass flange.	1" x 8" Schaffer tangs (4) & 1 3/4" x 8"
	6/27/09	Passed USCG Aux. courtesy exam given 2009 sticker	
	7/8/09	Painted chain rode with 30', 60' & 90' depth markers	Red-30', White-60' & Blue-90'
	7/8/09	Replaced head holding tank sending unit. Getting error signal from gauge, will send both back after the season ends	PFS-12
	7/8/09	Added strobe to 3rd inflatable life vest	ACR Rapidfire strobe 3961.1 (WM# 136924)
	7/8/09	Added new fender board (second) uses its own built-in bumpers	

*Sojourn*

General Maintenance Log

Year	Date	Comment	Part Number

# Sojourn

## Flares Data

As of : 8/29/09

Flare Type/Minimum Qty      Expiration Dates      2009   2010   2011   2012   2013   2014   2015

### Parachute (5)

#### Flares in Date: 2

SOLAS in Date	December, 2012							
SOLAS in Date	November, 2011							
SOLAS Buy in 2012	January, 2009							
SOLAS buy in 2010	October, 2007							
SOLAS buy in 2011	December, 2007							
Discard after 2009 Season	May, 2007							

### Red Hand Held (9)

#### Flares in Date: 5

SOLAS in Date	August, 2010							
SOLAS in Date	August, 2010							
SOLAS in Date	October, 2011							
SOLAS in Date	October, 2011							
SOLAS in Date	December, 2011							
SOLAS buy 2010	January, 2009							
SOLAS buy in 2012	September, 2006							
SOLAS buy in 2012	September, 2006							

### Smoke (3)

#### Flares in Date: 1

SOLAS in Date	December, 2012							
SOLAS buy in 2011	January, 2009							
SOLAS buy in 2010	January, 2008							
Discard after 2009 Season	February, 2006							

#### Color codes

Legal in date - any

SOLAS Only <2yrs out of date

Non-SOLAS out of date

SOLAS >2yrs out of date

Discard after season

Not On Board at this time

# Sojourn

## Omni Meter Setup Data & Solar Panel Information

Setup Data Chart						
Channel	Name	Shunt Size	Battery Output	Shunt Volts	Shunt Amps	Shunt Locations
1	HSE	100mv	210amps	*	100amps	In battery well with their bank**
2	AUX	100mv	210amps	*	100amps	In battery well with their bank**
3	LOAD	100mv	-	-	100amps Max.	Open electrical panel on right side- 4 wires running to it.
4	CHG	100mv	-	-	100amps	Remove engine cover next to garbage can.

\* - This Value is measured and entered during setup all other values in the table are inputted as is.

\*\* - See tank and electrical page for locations

### Misc. Information

Diodes for solar panels located in voltage regulator for solar panes and in black junction boxes on each solar panel encased in epoxy.

Output of Solar Panels and Alternator are combined at Charger Shunt #4

Reading voltage across the shunt with meter. Place positive lead (**RED**) in shunt output side and negative lead (**BLACK**) to ground

Meter will continue to operate if main battery switch is shut off, but will need to be recalibrated if batteries are disconnected

### Solar Panels

Main Battery switch can now be shut off due to inclusion of battery isolator in circuit. The main battery switch should be set on either Off or 1 (House), unless battery 1 is depleted. **Never use "Both" except in emergency**

**IMPORTANT!! Never disconnect batteries unless solar panels are covered. If they are not covered and batteries are disconnected, they will burn out.**

## Barometric Rules of Thumb

Barometric Pressure	Surface Wind	General Weather
<b>30.20"</b> or above and dropping slowly	<b>NW to SW</b>	Slowly increasing temperature and fair for several more days
<b>&gt;30.10"</b> and rising	<b>NW to SW</b>	Fair weather for the next several days
<b>&gt;30.10"</b> and steady	<b>NW to SW</b>	Continued fair with little temperature change for the next several days
<b>&gt;30.10"</b> and dropping slowly	<b>NE to E</b>	In Summer may not rain for several days. In Winter rain/snow possible in 12 hours.
<b>&gt;30.10"</b> and dropping rapidly	<b>NE to E</b>	In summer rain possible in 12-24 hours. In winter rain/snow may begin sooner.
<b>30.10" - 30.20"</b> and dropping slowly	<b>NE to SE</b>	Precipitation possible with in 12 to 18 hours.
<b>30.10" - 30.20"</b> and dropping rapidly	<b>NE to SE</b>	Possible increased winds and precipitation within 12 hours.
<b>30.10" - 30.20"</b> and dropping rapidly	<b>SE to S</b>	Possible increased winds and precipitation within 12-24 hours.
<b>30.00"</b> or below and rising slowly	<b>SW to S</b>	Possible clearing within several hours, then fair
<b>30.00"</b> or below and dropping slowly	<b>NE to SE</b>	Precipitation may continue for 1-2 days
<b>30.00"</b> or below and dropping rapidly	<b>NE to SE</b>	Possible continued wind and precipitation, followed by clearing within 36 hours.
<b>29.80"</b> or below and dropping rapidly	<b>S to E</b>	Severe storm could be imminent, followed by clearing/cool within 24 hours.
<b>29.80"</b> or below and dropping rapidly	<b>N to E</b>	Severe northeast gale possible, with heavy precipitation followed by lower temperature.
<b>29.80"</b> or below and rising rapidly	<b>Westerly</b>	Possible clearing and lower temperature



Item	Mfg	Model Number	Supplier	Supplier Part Number	Price	Date
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