

2004 Sea Ray 420DB-549

Hull Serial Number# SERP6186D404
 USCG Documentation # - 1175567
 LOA – 45' plus platform (~49' LOA)
 Beam – 14'3"
 Draft – 44" (3 ½')
 Fuel - 350 Gals (2x175)
 Weight – 29,000 lbs
 Water 120 Gals
 Holding Tank – 42 Gals

PW Marina – 703.494.6611
 GHS (TNT Lift) – 855.791.0128 (Rick)
 Tecnographics - 954.928.1714
 Annapolis CruiseAir – 410.224-0970
 Sea Ray Product Support – 865.971.6250

Walker Bay 325 Super Tender – EWVT02318515
 Walker Bay/Annapolis Inflatables – 443.336.9263

Equipment	Vendor	Serial/Par Number	Comments
Entry Door	Taylor	917	
Ignition Keys	Sea Ray	S-3203 P-3235	
Props	Teignbridge	26x26	Propped 2014
Shaft	GP	1735912	Maint code A2
Engine-Port	Cummins 480CE	46384680	6CTA 8.3 480CE (C-Series)
Engine-Std	Cummins 480CE	46381838	6CTA 8.3 480CE (C-Series)
Transmission-Port	ZF Marine ZF-280-1A	20048746	Ratio - 1.7969 1 Gal oil
Transmission-Stb	ZF Marine ZF-280-1A	20048748	Ratio - 1.7969
Onan Gen	Onan-9MDKAV-3207	C040622500/Eng#4A5968	Kubota Engine 4.2 Quarts Oil
Fwd A/C	Cruisair/Dometic Turbo/DTU16		Bought from Annapolis CruiseAir
Salon A/C	Cruisair/ Dometic Turbo/DTU16		Bought from Annapolis CruiseAir
Main Oil Filter	Cummins	LF3000 (LF9009)	
Main Water filter	Cummins	WF2073	
Main fuel filter-1 st stage	Racor 900MA	2040TMOR	10 micron
Main fuel Filters-2nd Stage	Cummins	FF5285 FF5488	10 micron 2 micron
Gen fuel filter-1 st stage	Racor 500MA	2010TMOR	4 micron
Gen Fuel filter-2nd stage	Onan/Cummins	149-2106	10 micron
Gen Oil filter	Onan/Cummins	Onan/Cummins: 185-5835	Gen Oil filter
Air Filter Cleaning kit	Cummins	DDF9000	
Main Air Filters	Cummins	CD177	
Main Breather filter	Cummins	CD180	
Main Impellers	Cummins	<ul style="list-style-type: none"> Smart Power #3897337 Sherwood #17000K-SHW Seaboard-SMX "Super 17" Impeller 	
Gen Impeller	Cummins/Onan	Onan Impeller- #0132-0379 or Cummins minor kit - 0541-1519 Sherwood 10077K	
Bow thruster	Vetus Marine	Zinc #TS Set 0150 Bow/75/80/95	
Outboard motor	Tohatsu 4-stroke 30hp MFS30	2015 motor SN-054275AF	API GL-5 80W gear oil-12 oz

Spring Commission and Winterization Schedule

Fall Winterization	When to do next	Notes
Change Engine room Zincs	Annually	3/each main; 1 Gen (cut to ¾ length)
Toilets	Annually	Clean and winterize
Clean gray water Sump	Annually	Drain and winterize in Fall; Clean in Spring
Clean strainers & winterize both mains	Annually	5 gal antifreeze each
Clean strainer and winterize Gen	Annually	3 gal antifreeze
Clean strainer and winterize A/C unit	Annually	3 gal antifreeze
Defrost frig	Annually	
Set-up heaters	Annually	Engine room, galley hold and bathroom
Install outside vent covers	Annually	
Install camper canvas	Annually	
Pull tender and winterize in garage	Annually	
Defrost frig	Annually	
Lubricate TNT	Annually	Grease 2 fittings
Holding Tank Pump Out	Annually	
Blow out fresh water lines	Annually	Empty water tank first, Washer/Dryer
Close/lube all raw water seacocks	Annually	
Change Mains Primary and Sec. Fuel filters	Annually	
Change Gen Primary and Secondary Fuel filters	Annually	
Inspect batteries and fill thruster batteries	Annually	
Inspect all fittings, clamps and hoses	Annually	
Change Mains oil and filters	Fall 2020	Valvoline Blue
Change Gen oil and filter	Fall 2020	Valvoline Blue
Change Trans oil	Fall 2020	Valvoline Blue
Change Mains water filters	Fall 2020	done
Check mains air filters (clean every other year)	Fall 2020	done
Replaced all zincs (Mains and Gen)	Fall 2021	
Changed and replaced all filters	Fall 2021	
SYC - Dave Abell	Fall 2017	400/haul-out; 100/blocking; 200/PW; 500/SW FB; 1000/SW boat.
	(\$1,500 Total)	\$462/haul; \$11/ft PW & Block; \$252/Mo Storage
Spring Commissioning	When	Notes
Change Bow thruster Zinc (every other year)	Done Spring 2017	Ship store order #4794
Pull/power wash/change hull zincs	Annually	Check running gear and all fittings
Bottom paint hull and running gear	Annually	Multi-season ablative bottom and zinc barnacle buster spray for running gear
Clean Sump	Annually	At least twice a year
Clean A/C air filters	As required	
Inspect all fittings, hoses and clamps	Annually	

Change under sink water filter	Annually	
Detail boat	Annually	Nauti Boat Detailing
Change Mains impellers	Every 2-3 years	Done Spring of 2020
Change Gen impellers	Every 2-3 years	Done Spring of 2020

Maintenance Log

Date	Item	Work Description
05/2010	Purchased Boat from Prince William Marina	Maintained according to Sea Ray and under warranty; including maint history
07/2010	Oven	Replaced Oven with new and larger unit
11/2010	Winterization	See List
4/2011	Spring Commissioning	See List
11/2011	Winterization	See List
4/2012	Spring Commissioning	See List
11/2012	Winterization	See List
4/2013	Spring Commissioning	See List
6/2013	Toilet bowl seals	Replaced both
7/2013	Alternator	Replaced stb
11/2013	Winterization	See List
04/2014	Spring Commissioning	See List
4/2014	Batteries	Replaced all leadcell with AGM Group 31 (not inc. bowthruster)
4/2014	Engine impellers	Replaced
4/2014	Props	Reconditioned and propped to specs
4/2014	Generator impeller	Replaced
4/2014	Bottom paint	Painted and replaced zincs, prop speed
4/2014	Detailed-1 step wash&wax	Nauti Boat Detailing Kelli- 240-248-4886
4/2014	Fuel filters	Replaced racor fuel filters
6/2014	A/C raw water pump	Cleaned
8/2014	Short haul	Powerwashed bottom
11/2014	Winterization	See List
4/2015	Spring Commission	See list
4/2015	Detailed-1 step wash&wax	Nauti Boat Detailing Kelli- 240-248-4886
4/2015	Galley Refrig	Replaced - with Infritrigo
6/2015	Short haul	Replaced rudder and trim tab zincs and bottom pain
6/2015	Interior Lights	Converted to LED
11/2015	Winterization	See List
4/2016	Spring Commissioning	See List
4/2016	Detailed-1 step wash&wax	Nauti Boat Detailing Kelli- 240-248-4886
4/2016	All main eng. coolers	Re-conditioned aftercooler, trans oil cooler and heat exchanger (6CTA) Kit #3
4/2016	Hoses/replaced	All raw water, most coolant and exhaust turbo hoses on mains (except raw water hose to pump)
4/2016	Impellers	Replaced mains and gen
4/2016	Coolant	Replaced engine coolant – both Mains

4/2016	Engine Zincs	Replaced all engine zincs - both Mains
5/2016	Window film	Installed Huper Optik Ceramic 30 on all windows and salon door
9/2016	Short haul	Power washed bottom and applied zinc paint on running gear (SYC)
10/2016	Grey water Sump Pump	Replaced pump
11/2016	Winterization	See List (moved to CB for winter)
11/2016	12v Fresh water pump	Replaced with identical unit. Installed sound shield (west marine)
11/2016	Oil Analysis	Both mains (ok/normal) Results on file
4/2017	Spring Commissioning	See List
4/2017	Tender	New Walker Bay (Annapolis Inflatables; POC Nic)
8/2017	Fly bridge Canvas	Custom covers for Seats, instrument panel and back arm rest (Trina)
8/2017	Fly bridge hatch	Replaced both gas springs (Attwood part# ST34-20-5)
8/2017	Cockpit canvas	Complete wraparound sunshade (Trina)
10/2017	Sanitation Duck Valves	Replaced 4 duck valves on Master head/Stb system/pump (Dometic 1-1/2" #385310076)
11/2017	Winterization	See List
12/2017	TNT Lift/hose	Replaced 12" SS hose on starb,. Lock mechanism (OEM) General Hydraulic Solutions. Part# HSS015
12/2017	Oil Analysis	Normal both mains – Normal (See report)
12/2017	Coolant Analysis	Normal 1.9-2.0 SCA Units both sides
4/2018	Spring Commissioning	See List
4/2018	Impellers	Replace 2 mains and Gen
4/2018	Electronics	Replaced radar and chart plotter w/2 Garmin MFD's
4/2018	TV	Installed new HD 32" TV in salon
4/2018	Wash/wax	Hand washed and waxed
6/2018	Salon A/C	Replaced with Dometic Turbo/DTU16 from Annapolis CruiseAir
6/2018	Thruster batteries	Replaced both
8/2018	Port Heat exchanger	Replaced port engine end cap and gasket
8/2018	Strataglass	Replaced flybridge rear corner piece
8/2018	MMSI/VHF	Registered VHF for MMSI number (#338325884)
11/2018	Winterize	See list
11/2018	Banjo Fitting	Repaired Starboard Turbo Banjo fitting and coolant
11/2018	Heat exchanger	Cleaned out strb zinc side and replaced with new gasket
11/2018	Reverso	Replaced impeller
12/2018	Oil Analysis	Normal both mains – (See report)
5/2019	Spring Commissioning	See List
5/2019	Sump pump	Replaced float switch
5/2019	Fly bridge hatch	Replaced both gas springs (Attwood part# ST34-20-5) Used 40# this time
11/2019	Winterize	See list
5/2020	Spring Commissioning	See List
6/2020	Impellers	Replaced 2 main
6/2020	Impellers	Replaced Gen
6/2020	Valve Lash	Performed Valve Lash adjustment on both Mains (Chesapeake Marine)
6/2020	Wash and Wax	Topside – Payless Wash and Wax
6/2020	A/C	Replaced V-berth unit with Turbo 16K – identical to Salon unit
6/2020	Carpet	Replaced flybridge and steps
9/2020	Engine	Replaced port engine speed sensor
11/2020	Winterize	See list
11/2020	Changed oil and all filters	

To-Do list		
When	What	Notes
1/2021	Coolers	Replace oil coolers, rebuild Aftercoolers and heat exchangers
1/2021	Engine room lights	Replace engine room lights with LED lights
1/2021	Coolant	Replace coolant
4/2021	Batteries	Replace house and main batteries (Group 31 AGM's.)
4/2021	Tender	Add Bimini top
4/2021	Isinglass	Replace entire flybridge enclosure
Spares in Stock		
Component	Description	Quantity
Heat Exchanger	End cap gaskets	2
Alternator	Rebuilt	1
Toilet	Bowl rebuild kit	1
Main Engines	Impellers	2
Gen	Impellers	2
Zincs	Engine, Gen and outside	2 years worth Boat Zincs.com
Hoses	Misc	
Belts	Main serpentine	2 (old)