

"Flying Lady"
2004 Carver 570 Voyager Pilothouse



GENERAL VESSEL INFORMATION:

Vessel Name: "Flying Lady"

Hull Identification Number: US-CDRNA172B404

Hailing Port: Chicago, IL

Model Year: 2004 | Manufacturer: Carver Yachts – Pulaski, WI | Model: 570 Pilothouse

Hull Type: Modified-V

Length over all: 59'2" | Beam: 15'4" | Draft: 4'9" | Weight: 52,500 lbs.

Hull Material: FRP | Hull Frames: FRP | Deck Material: Wood cored FRP | Bulkhead Material: Plywood

Ballast: N/A

PROPULSION MACHINERY:

Engine (port) Manufacturer: Volvo Penta | Model: D12-675 | Serial Number: 1012387515

Cylinders: Inline six (6) | Horsepower: 675 | Hours at gauge: Unknown

Transmission: ZF | Model: ZF311A | Ratio: 1.759:1 | Serial Number: 20044956

Engine (starboard) Manufacturer: Volvo Penta | Model: D12-675 | Serial Number: 1012387514

Cylinders: Inline six (6) | Horsepower: 675 | Hours at gauge: Unknown

Transmission: ZF | Model: ZF311A | Ratio: 1.759:1 | Serial Number: 2044950

RUNNING GEAR:

Propeller Manufacturer: ZF Marine "Faster" | Propeller Size: D29P32RH, D29P32LH

Blades: Four (4) fixed blades each. | Propeller Material: NiBrAl

Propeller Shafts: 2 1/2" diameter stainless steel shafts.

Struts: NiBrAl struts. Intact and in average condition as observed.

Cutlass bearings: Intact and tight to shaft.

Rudders: Two (2) marine bronze or NiBrAl rudders. In average condition as observed. No excessive lateral movement and no evidence of leaks at the rudder shafts.

Rudder posts: Viewed from the engine compartment bilge. No abnormal conditions or indications of leaks and properly bonded as observed.

Steering: Hydraulic steering system.

Number of stations: Two (2) control stations. One (1) just forward of the main salon and one (1) at the pilothouse.

Comments: Propellers were found in average condition with no indications of damage at the flukes or prior allision incidents. The vessel is equipped with dripless shaft seals. The sacrificial anodes were found in average condition with approximately 90% of their useful life remaining. Vessel equipped with a bow thruster, stern thruster, and stainless-steel trim tabs.

FUEL SYSTEMS:

Fuel: Diesel propulsion and generator engines.

Filters & Separators: Vessel equipped with Racor fuel separators and mounted aft of the fuel tanks. Engines equipped with fuel filters.

Fuel Feed Lines: USCG Type A1 flexible rubber hose.

Fuel Shut Off: Fuel shut off valves mounted on each fuel tank.

Comments: No fuel odors were noted during examination. No evidence of leaks in the fuel system was noted at the time of survey. The fuel hoses were in average condition and properly supported as observed.

Engine Fuel Tanks

Tank Material: 5052 Aluminum alloy fuel tanks.

Number of tanks: Two (2) installed onboard.

Capacity: 400 US gallons each according to fuel tank labels. 800 US gallons total.

Location: Fuel tanks located in engine compartment, aft of each engine. Tanks secured in place with aluminum straps which are chafe protected with rubber gasket material.

Fill Hose: USCG type A2 flexible rubber hose.

Double Clamped: Fuel fill hoses double clamped at tanks and at fill fittings.

Ground: Fuel fill fittings and fuel tanks properly grounded as observed.

Vent hose: USCG type A1 flexible rubber hose.

Comments: Fuel tanks found in average condition with no corrosion noted.

Ventilation

Blowers: Vessel equipped with four (4) 12VDC powered blowers with 4" flexible hose. Properly routed in the engine compartment with no obstructions noted. Lighted indicator switches were sighted at the helm and at the DC panel.

Comments: Blowers not operated during survey as the batteries were disconnected.

ENGINE EXHAUST:

Vessel equipped with typical marine wet exhaust system with properly double clamped marine wet exhaust hose and fiberglass body lift mufflers. The exhaust exits at the waterline through ports on the hull sides located 55" forward of the transom.

Comments: No evidence of exhaust leaks or abnormal conditions were noted during examination of the system.

BILGE PUMPS

Bilge Pumps: Two (2) 12VDC automatic bilge pumps sighted in the engine compartment. One (1) at the forward bulkhead and one (1) near the transom.

Manufacturer: Rule

High Water Alarm: Equipped. Not tested during survey.

Comments: Lighted indicator switches located at the helm and DC panel. Bilge pumps properly routed to discharge liquid overboard from the bilges. Pumps not tested for functionality at time of survey.

A/C Pump:

Pump: One (1) 230VAC A.O. Smith pump located in the engine compartment aft of the starboard fuel tank.

Condition of Thru-hull Fittings: Sea cocks were operated by hand at the time of survey without issue. All through-hull fittings (where accessible) were in average cosmetic condition with no indications of leaks noted and properly bonded as observed.

Air Conditioner: Two (2) Cruisair air conditioning units. One (1) located in the engine compartment aft of the starboard fuel tank and one (1) in the v-berth beneath the bed. AC units controlled with digital thermometers.

Comments: Air conditioners not tested during survey. The AC pump was properly secured in the engine compartment with no indication of leaks found at the strainer or through-hull fitting.

POTABLE WATER SYSTEM:

Pumps: One (1) 12VDC Shurflo Aquaking potable water pump located in the engine compartment just forward of the starboard engine.

Potable Water Tank Location: Two (1) potable water tanks installed onboard. Located in the engine compartment in a saddle arrangement. Tank Material: Polypropylene

Capacity: 100 US gallons each according to manufacturer. Tank Monitor: Equipped at the DC panels.

Hot Water Heater: SeaWard S-1900E

Voltage: 120 VAC

Pressure Relief: 150 psi according to relief valve tag.

Comments: Potable water system was not tested at the time of survey. No indication of leaks found at the potable water pump or strainer.

COOKING FUEL SYSTEMS:

Cooking Fuel Tanks: N/A. Vessel equipped with electric range in the galley and an electric grill on the bridge.

Tank Material: N/A

Comments: Electric range/grill not tested at time of survey.

MARINE SANITATION DEVICES:

Marine Sanitation Device & System: USCG Type III

Tank Material: Two (2) polypropylene tanks

Capacity: 50 US gallons each according to manufacturer.

Location: Tanks located in the engine compartment in a saddle arrangement.

Pump: Two (2) 12VDC vacuum pumps in engine compartment.

Through Hull Condition: No method for overboard discharge installed on the marine sanitation system.

Comments: Head system flush was not tested during survey.

DC ELECTRICAL SYSTEM:

Battery Type: 12 VDC system. Six (6) 8D batteries for the house and engine systems. One (1) group 27 battery for the generator.

Number of Batteries: Seven (7) batteries total.

Battery Storage: 8D batteries securing in engine compartment in plastic boxes. Group 27 battery secured with straps.

Battery Ventilation: 12VDC powered blowers in engine compartment. Battery Isolation: Charles IQ2600 inverter installed in the engine compartment located aft of the port engine.

Comments: Batteries properly secured and wiring properly supported throughout the engine compartment.

Generator Battery Charger: Charles C-Charger 5000 Series

Output: 13.5VDC

House/Engine Battery Charger: Charles C-power 5000SP Series

Output: 13.5VDC

DC Wiring: Original installation, supported throughout.

DC Circuit Protection: Circuit breaker panel.

Comments: DC electrical components not tested during survey.

AC ELECTRICAL SYSTEM:

Vessel is fitted with one (1) 50 amp AC shore power connection located on the starboard side near amidships and one (1) 50 amp AC shore power connection at the port stern corner with a 12VDC CableMaster system. A 50 amp breaker was located in the aft machinery space at the CableMaster system and at the starboard side AC shore power connection, within ABYC recommendations. AC shore power systems not tested during survey.

GENERATOR:

Manufacturer: Kohler | Model: 23EOZ

Generator S/N: 0783606 | Rating: 22KW

Date of Manufacture: Unknown | Hours: 1972.2 hours

Amps: 91.70 amps @ 60Hz | Voltage: 120/240VAC

Engine Manufacturer: Unknown | Cylinders: Inline four (4)

Engine S/N: Unknown | HP: Unknown

Condition of wiring and hoses: Wiring and hoses were found in average condition as observed.

Generator fuel: Diesel

Fuel feed hose: USCG Type A1 flexible rubber hose.

Engine exhaust: Marine wet exhaust system through plastic body lift muffler.

Cathodic protection installed: Yes

Bonding system: Cable bonding to vessel bonding system.

Comments: Generator was not operated during survey. Engine information and serial numbers not visible without removal of panels. No indications of excessive heat or leaks found on the generator engine.

ELECTRONIC NAVIGATION EQUIPMENT:

VHF Radio: Raymarine | Model: Ray53 DSC VHF

VHF Radio: ICOM | Model: IC-M422

Depth Finder: Garmin | Model: GPSmap 7612

Radar: Garmin | Model: GPSmap 7612

GPS: Garmin | Model: GPSmap 7612

Compass: Ritchie | Model: Powerdamp

Speed Indicator: Garmin | Model: GPSmap

Auto Pilot: Raymarine | Model: ST6001

Additional Equipment: Security cameras.

Comments: Working condition unknown.