

Knight's Marine Surveyor Inc.

1103 7th Street
Hudson, WI 54016
(715)381-1433

Survey #: 123455 Surveyor: Jeff Knight
Survey Date: 10/23/2007
Vessel Surveyed at: 220 Sun Lane
San Diego, CA 34451
Client's Name: Jim Buyer
300 Tuna Dr.
San Diego, CA 34451
Survey For: Purchaser Survey Purpose: Assess Overall Condition



THE INFORMATION CONTAINED IN THIS REPORT IS NOT WARRANTED TO BE TRUE BUT HAS BEEN INCLUDED AFTER A REASONABLE ENQUIRY AND IN THE BELIEF IT IS TRUE. THIS EXAMINATION HAS BEEN MADE WITHOUT MAKING REMOVALS, OR OPENING UP TO EXPOSE PARTS ORDINARILY CONCEALED, OR TESTING FOR TIGHTNESS, OR TRYING OUT MACHINERY, AND IS SUBJECT TO ANY CONDITIONS WHICH WOULD HAVE BEEN REVEALED IF SUCH PROCEDURES HAD BEEN ACCOMPLISHED, FURTHER, NO DETERMINATION OF STABILITY CHARACTERISTICS OR STRUCTURAL INTEGRITY HAS BEEN MADE, AND NO OPINION IS EXPRESSED WITH RESPECT THERETO.

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SURVEYED BY - KNIGHTS MARINE SURVEYOR INC.
BUY WITH PEACE OF MIND

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DEFINITION OF TERMS

FUNCTIONAL - Doing its job with reasonable amount of wear for its age and type.

NA - Not present at the time of the survey. May or may not have been required at the time of the survey.

NOT INSPECTED - Not visible or covered by finished materials. Beyond the scope of this survey.

SAFETY ISSUE - The item is deemed to be at the end or near the end of its service life.

NOTED - A condition that is noted but does not have significant effect on the performance of the item.

MAINTENANCE RECOMMENDED - The item is in need of repair, replacement or further review.

GENERAL CONDITIONS

100	Vessel Type	Motor yacht.
101	Year Built	1990
102	Make / Model	Grand Harbour 57' Express Cruiser
103	Vessel Name	My Glory
104	Hull ID	HAT876768
105	State License #	CA4566
106	Home Port	San Diego
107	Tonnage	25 GRT
108	Est. Top Speed	10 knots
109	Fair Market Value	\$315,000

Hull Info


Step #	Component	Comments
1010	Type of hull	Vee hull w/strakes & pad.
1020	Construction Material	Fiberglass.
1030	Hull condition	Functional. It was noted that the hull had an estimated 20-30 osmotic blisters ranging in size. At present they only represent cosmetic issues and not structural concern. A small area of delaminated deck was observed at the bow.
1040	Length / LOA	Functional. 42'

1045	Ballast	Functional.
1050	Beam	Functional. 16' per BUC Research.
1060	Displacement	60,000 lbs.
1070	Comments	A light contact abrasion was noted on the port side underbody section. Slight chipping was noted around the contact abrasion but not considered significant at this time.

Underwater

Step #	Component	Comments
1000	Propeller(s)	Functional. Five blade fixed. No corrosion or cracks noted on blades.
1010	Drive train	Functional.
1020	Shafts / Couplings	Functional. The bonding system is well established with bonding strips running the length of the vessel on both sides.
1030	Struts, mount bolts, bearings	Functional. Two per shaft, P-Strut. No separation or cracking noted.
1040	Transmissions	Functional.
1050	Mufflers	Functional. Waterlift canister.
1060	Exhaust ports	Functional. Located at the side hull and are in good working condition.
1070	Paint / gelcoat finish	Functional. Anti-fouling bottom paint in good condition.
1080	Osmotic blistering	Functional. No evidence of blisters was found on hull bottom during bottom inspection.
1090	Comments	It is good practice to take the vessel out of the water over the winter period and store her in a dry area to reduce further osmotically induced gel coat blistering.

Engine

Step #	Component	Comments
1210	Engine Mfg. / Model / Type	Caterpillar 3208 TA 2 x v-8 diesel
		
1240	Horse Power	720 hp each
1245	Engine Hours	750 hours based on the engine hour meter.
1255	Hoses and clamps	Maintenance Recommended. Water intake hoses have cracked covers. Recommend replacing both engine cooling intake hoses.
1260	Belts and pulleys	Functional. No cracks or splits sighted. Pulleys/belts appear to be in line.
1265	Engine mounts	Functional. Engine mounts appear to be well secured to the support stringers.

1270	Cooling system / Water pump	Functional. Coolant level is adequate and in good condition.
1275	Oil Level / Drip Pan	Functional. Oil level is correct and dipstick is clean. Drip pan was dry and had very few oil drips.
1280	Propeller Shaft	Functional. 1.5" stainless steel.
1285	Stuffing box	Functional. Bronze packaging type.
1290	Engine Operated ?	Yes.
1295	Comments	A visual inspection of the engine, filters and related connections showed no signs of abuse and a good maintenance schedule seemed to be used.

DC Electrical Systems

Step #	Component	Comments
1300	Batteries, condition & performance	Functional. Four 24 Volt 8D lead acid batteries in acid proof battery boxes and covered with vented box covers.
1305	Primary circuit protection	Functional.
1310	Secondary circuit protection	Functional.
1315	Wiring	Functional.
1320	Charging System	Functional. Battery charger Phase III, Three stage smart charger, Model PT-24-35CE.
1325	System layout & standards	Functional.
1330	Breaker(s) / Fuses(s)	Functional. 10 DC breakers in the engine room.

1340	Distribution Panel	Functional and located in the main salon, under bridge in engine room.
1345	Comments	Functional.

AC Electrical Systems

Step #	Component	Comments
1350	Voltage System	Functional.
1355	Selector Switch	Functional.
1360	Main Breaker(s)	Functional.



1365	Wiring	Functional. Insulated copper strand to ABYC.
1370	Polarity Check	Functional.
1375	Shore Receptacles	Functional.

1380	GFCI Protection	Yes.
1385	Comments	NA.

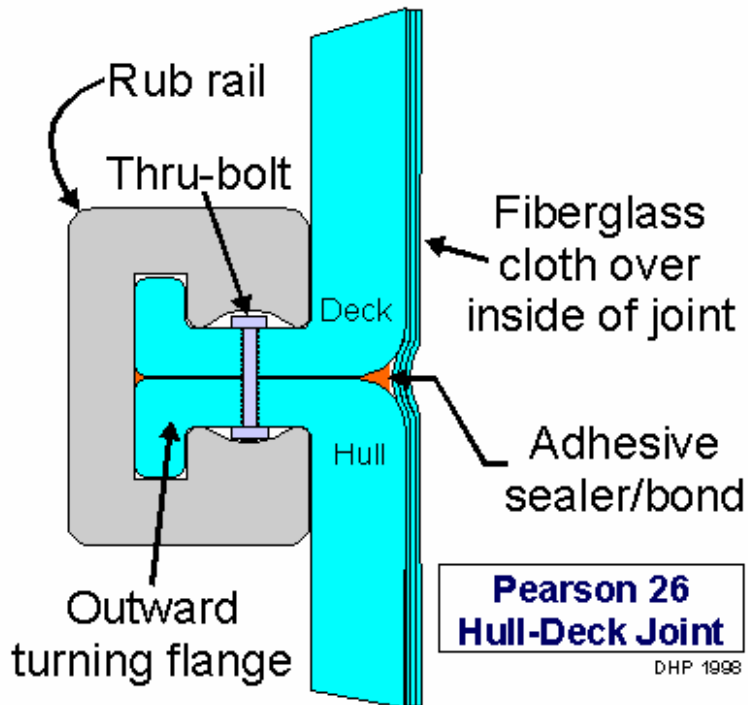
Fuel Tanks

Step #	Component	Comments
1400	Tankage	4 tanks at port and starboard aft cabin. Capacity 600 (USG).
1410	Fuel fills & deck plates	Functional. Welded mild steel tanks.
1420	Supply & return systems	Functional.
1430	Fuel transfer systems & pumps	Functional. Neoprene fuel line.
1440	Fuel filtration	Functional.
1450	Ventilation for gasoline systems	Maintenance Recommended. The tank vents need to be replaced as the inlets are small and 50% closed over from corrosion.
1460	Comments	NA.

Interior

Step #	Component	Comments
1510	Bilge(s)	Functional. Clean and dry. The bilge pumps in the forward engine room had various capacities.
1520	Stringers	Functional. Fiberglass Reinforced Plastic longitudinal stringers.
1530	Bulkheads	Functional. Leather covered throughout ship.

- 1540 Stem Not Inspected.
- 1550 Hull to Deck Joint Functional. Molded Fiberglass Reinforced Plastic cored with plywood. No leaks evident.



- 1560 Storage area Functional.
- 1570 Wet bar Functional. Full wet bar with sink.



- 1590 Comments Aft deck is fully air conditioned and is functional at time of survey.

Appliances

Step #	Component	Comments
1610	Refrigerator / Freezer	Functional. A Norcold refrigerator with separate freezer above is starboard side in the galley.
1620	Icemaker	Functional.
1630	Stove / Oven	Functional. Kenyon glass top stove.
1640	Dishwasher	Functional.
1650	Misc.	Black and Decker Spacemaker Coffee Maker in cabinet above galley. Powers up.
1660	Comments	NA.

Navigation Equipment

Step #	Component	Comments
1700	Compass	Functional. One (1) 6" Richie at the helm station.
1710	Radar	Functional. Raytheon R41XX Raster Scan Radar.
1720	GPS	Functional. Part of chart plotter.
1730	VHF Radio	Functional.
1740	Depth Sounder	Functional.
1750	Autopilot	Functional.
1760	Speed Instrument	Functional.
1770	Chart Plotter	Functional. Raytheon Raychart 620. Powers up.
1780	Antenna(s)	Functional. All antennas sighted appeared to be well mounted and functional.

Safety Equipment

Step #	Component	Comments
1800	Navigation Lights	Functional. Port and Starboard side of bow. Stern light on transom. All around white light centered atop radar arch.
1810	Visual Distress Signals	Functional.
1820	Power Bilge Blower	Maintenance Recommended. Two bilge blowers provide additional engine room ventilation. Forward bilge blower in engine compartment has rust on its motor.
1830	USCG Placards	Functional.
1840	Life Jackets	Functional. 10 USCG approved Type II. Recommend increasing number to 15.
1850	Life rafts	Functional. 1 USCG approved Type IV cushion, approved horseshoe buoy.
1870	Fire Extinguishers	Functional. Two (2) BC dry chemical, one (1) Sea Fire Halon 1301 eith 30 lbs and one (1) Sea Fire Halon 130 with 3 lbs 6 oz. Location: Main salon and main cabin, accessory room and engine room.
1880	Inland Navigation Rule Book	Safety Issue. There was not a copy of the Inland Navigation Rule Book found onboard. Comply with USCG regulations for Sound Devices.

Performance Evaluation

Step #	Component	Comments
1900	Load / No load RPMs	Functional. Manufacturer's recommended max RPM is 2000. Engines reached 1900 RPM port and 2000 RPM starboard at full throttle.

1910	Backdown test	Functional. The backdown test was satisfactory and the spin test was satisfactory.
1920	Control cable function	Functional.
1930	Basic stability	Functional.
1940	Stability at speed	Functional.
1950	Steering / Handling	Functional. The steering system operated normally.
1960	Trim tab operation	Functional.
1970	Vibration / noise levels	Functional. There were no excessive vibrations noted. The engine's were audio gauged and were recorded at a maximum of 90 decibels on the cockpit at maximum speed.

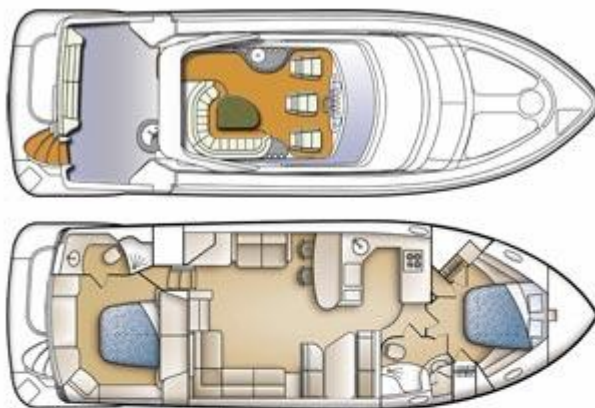
Auxiliary Equipment

Step #	Component	Comments
2000	Fenders	Functional. Two 18" Ball fenders.
2010	Boarding ladder(s)	Functional. Aluminum Marquipt.
2020	Fishing gear	NA.
2040	Dinghy	Functional. Neoprene FRP hard bottomed inflatable.
2050	Television / Stereo	Functional. Unit is built in. RCA 15" unit.
2060	Stabilizers	Functional.
2070	Fresh Water Systems	Functional. 150 gallon potable water tank. Amidship starboard side under galley deck.

Main Deck

Step #	Component	Comments
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2100	Deck Surface	Functional.
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2110	Windshield	Maintenance Recommended. V type windshield. Canvas appears to be separating from windshield. Recommend repairing.
2120	Hatches	Functional. Total of 3 hatches: One (1) forward above the master stateroom, One (1) over the port stateroom, and one (1) over the galley. Engine compartment and Accessory Room each have a separate access hatch.
2130	Canvas	Functional. See note under Windshield item.
2145	Bowsprit / Forestays	Functional.
2155	Rails	Functional. Welded stainless steel rail system, runs from the bow aft on both port and starboard sides to where the radar arch intersects at the cockpit. Diameter of rail system is 1 1/8".

2160 Deck box Functional.

2165 Flybridge Functional.



2170 Upper deck Functional. White gel coat with molded in non-skid. Condition is serviceable.

SUMMARY REPORT

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Client's Name: Jim Buyer
Surveyor: Jeff Knight

This Summary Report is designed to assist the reader as an overview of the full report. We will not be held liable for any omissions on this report.

Engine

1255. Hoses and clamps

Maintenance Recommended. Water intake hoses have cracked covers. Recommend replacing both engine cooling intake hoses.

Fuel Tanks

1450. Ventilation for gasoline systems

Maintenance Recommended. The tank vents need to be replaced as the inlets are small and 50% closed over from corrosion.

Safety Equipment

1820. Power Bilge Blower

Maintenance Recommended. Two bilge blowers provide additional engine room ventilation. Forward bilge blower in engine compartment has rust on its motor.

1880. Inland Navigation Rule Book

Safety Issue. There was not a copy of the Inland Navigation Rule Book found onboard. Comply with USCG regulations for Sound Devices.

Main Deck

2110. Windshield

Maintenance Recommended. V type windshield. Canvas appears to be separating from windshield. Recommend repairing.