SURVEY REPORT

Beneteau Oceanis 361

Prepared for:
xxxxxxxxxxxxxxxx
Tel:

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xxxxxxxxxx

SAMPLE

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SAMPLE

GENERAL

The following is a report on a survey conducted by Stephen W. Leake (Surveyor).
The survey was requested by xxxxxxxxxxxx (Client).
The object of the survey was to ascertain the general condition of the vessel for insurance purposes.

This report represents the educated opinion of the Surveyor, made without prejudice and subject to the condition of the vessel being ascertained from a general inspection while ashore without removing equipment or opening parts normally concealed, testing for tightness, operating machinery or systems unless specifically noted.

The contents of this report are for the consideration of the Client and the Client's insurance company only.

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This report and its content is valid only when complete with all pages including annexes and cover page signed by the Surveyor, and account in good standing.

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STANDARDS

The subject vessel has been surveyed for compliance where applicable with the following regulations and standards under the Canada Shipping Act:
TP1332 Construction Standards for Small Vessels
Small Vessel Regulations
Collision Regulations
Sewage Pollution Prevention Regulations

DEFINITIONS OF TERMS

EXCELLENT - Essentially as new in appearance and operation
GOOD – Fully serviceable with no obvious defects or limitations
FAIR – operational but needs cleaning, maintenance, minor repair or updating
POOR – reliability compromised, significant servicing required or replacement

Moisture readings made with Tramex meter. Relative Scale 1. Reading of 100 correlates approximately to 5% moisture content by weight. Considered acceptable.

References to applicable standards are highlighted in the report body in italics.

SAMPLE

SURVEY PARTICULARS

Date attended: 2016 xxxx
Location: xxxxxxxxxxx
Conditions: Dry, clear, calm, 15C.
In attendance: Client

VESSEL PARTICULARS

Name: xxxxxxxxxxxxx
Builder: Beneteau, St. Hilaire-De-Riez, France
Model: Oceanis 361
Year: 2001
Hull Identification Number (HIN): FR BEY7xxxxxxxx

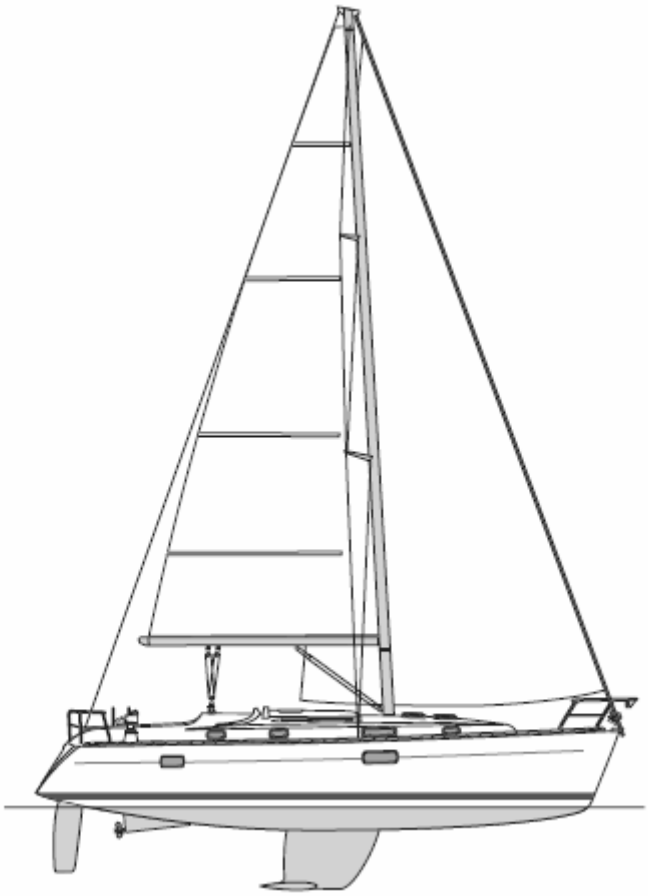
Registration Number: xxxxxx
Gross Registered Tonnage: 12.5
Net Registered Tonnage: 6.41
Conformity Label:

Category	A	B	C	D
People	8	8	10	12
Maximum Load kg	2110	2110	2110	2110

Length: overall: 11.00 m
Beam: 3.45 m
Depth: 1.53 m
Draft: 2.19 m
Propulsion: Sail
Auxiliaries: Diesel inboard.

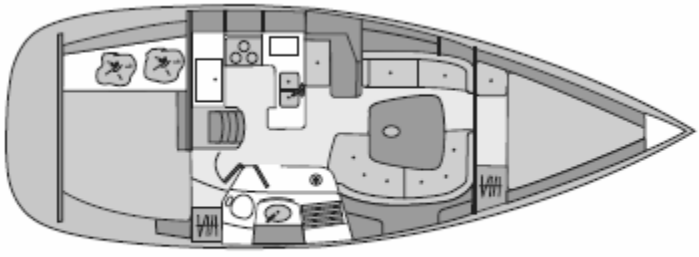
SAMPLE

VESSEL DESCRIPTION



Light displacement sailboat with flush deck, raised coachroof and large self-draining cockpit.

Interior Layout



Two cabin version

Galley

Saloon

CONSTRUCTION

Overall of glass reinforced plastic (GRP).

Hull: Solid single shell of GRP hand laid. Reinforced by GRP liner and grillage.

Bottom shell: Visual: Lines fair, no visible defects.
Percussion: Sound.
Moisture: Registered dry.

Topsides:
Visual: Lines fair, smooth.
Percussion: Sound
Moisture: Registered dry

Transom: Single skin of fiberglass laminate.
Visual: Lines fair, no visible defects
Percussion: Sound.
Moisture: Registered dry

Liner: A bottom grillage of floors and stringers together with furniture mouldings. All sound where seen and securely bonded to hull.

Decks:
Visual: Weathered and a few randon gel cracks principally in way of toe rails and at deck to forward cabin top corner. {7} Correct deck gel coat cracks as desired.
Percussion: Sound.
Moisture: Registered dry

Bulkheads: Plywood. All sound and well secured.

Keel: Fixed wing keel of iron. GOOD
Keel bolts: GOOD

SAMPLE

Rudder: Fibreglass, appeared to be hollow.
Visual: FAIR – gel coat cracks prevalent.
Percussion: Sound.
Moisture: Registered 40 at top 100 at bottom.

{1} Recommend rudder be unshipped and gel coat removed, underlying structure repaired if required and the whole recoated with gel coat or similar impervious coating. A permanently installed drain plug is also recommended.

Rudder stock: s/s. GOOD

ANCHORING & MOORING

Anchor (#1): Danforth 16kg. GOOD
Rode (31): 3/8" BBB chain and ¾" braided nylon rope. GOOD

Anchor (#2): Danforth 18. GOOD
Rode (#2): ¼" BBB chain and ¾" braided nylon rope. GOOD
Locker: Deck recess with hatch cover. GOOD
Windlass: Lewmar capstan with rope and chain gypsy. GOOD
Bow roller: Yes. GOOD
Cleats: GOOD
Fenders: Eight. GOOD
Boat hook: One. GOOD
Lines: Assortment. GOOD

SAMPLE

LADDERS, RAILS & STANCHIONS

Boarding platform: Integral hull and deck moulding. GOOD

Boarding ladder: s/s , at transom. GOOD

Grab handles & rails: Wood. GOOD

Bow rail & stanchions: s/s. GOOD

Side rail & stanchions: s/s stanchions and double lifeline pvc coated s/s. FAIR – pvc sheathing cracked in various places, otherwise serviceable.

Stern rail & stanchions: s/s. GOOD

HATCHES, DOORS & WINDOWS

Companion: Sliding polycarbonate hatch plus wood drop boards. GOOD

Exterior hatches: Forward hatches: FAIR – Weathered with prisms crazing from UV exposure.

Windows: GOOD

Portlights: GOOD

Interior doors: GOOD

Interior hatches: GOOD

HULL & DECK FITTINGS – Miscellaneous

Below waterline through-hulls of bronze with seacocks. All identified with adjacent labels. GOOD
Above waterline through-hulls of plastic. GOOD

RIG

Spars Sparcraft. Aluminium

Mast: GOOD

Boom: GOOD

Standing Rigging

Stays: s/s aft stay and roller furling headstay. GOOD

Shrouds: s/s. GOOD

Turnbuckles: GOOD

Running Rigging

Halyards: Dacron. GOOD

Sheets: Dacron. GOOD

Winches: Two Lewmar 44 one 30. GOOD

Sails: Main and headsail. Not seen but reportedly were serviced 2014/15

SAMPLE

PROPULSION MACHINERY

Engine make:	Perkins based Volvo-Penta. 20.9 kW
Model #:	YH3XM xxxxxx
	MD2030-D-868845
Engine serial #:	xxxx
	M14_02_3_95_21
Gear ratio:	Not noted
Engine seats:	Rubber vibration mounts on fiberglass bed. GOOD

Propeller: GOOD. Bronze, three blade, 42cm dia (measured) Pich & diameter not marked on hub.

Shafting: 1" s/s. GOOD

Coupling: Flange coupling. GOOD

Shaft inner bearings: None fitted.

Shaft stern tube bearing: Water lubricated. GOOD

(NOTE – it is important to ensure that the seacock for the bearing lubrication be OPEN when operating the engine, OR if under sail and allowing the propeller to "free wheel")

External bearings: None.

Cooling system:

- Type: Raw.
- Seacock: Yes. GOOD
- Piping: Hoses. GOOD
- Clamps: s/s, doubled. GOOD

Exhaust system:

- Type: Wet

SAMPLE

Piping: Hoses. FAIR – hoses beginning to crack.

{2} Recommend replace exhaust hoses prior to 2017 season.

Silencer : Vetus wet lift. GOOD

Clamps : s/s, doubled. GOOD

Belts: GOOD

Wiring: GOOD

FUEL SYSTEM

Fuel Type: Diesel

Fill fitting(s)

Location: Side deck.

Material: Metallic. GOOD

Grounded: Not required.

Fill pipe: Visually GOOD

Tank

Location: Beneath aft cabin berth.

Make: Not marked.

Material: Polyethylene. GOOD

Capacity: Not marked.

Grounded: Not required

Shut-off: Yes, at tank operated remotely by cable. GOOD

Vent(s) Screen: GOOD

Delivery line(s)

Material: Hose. GOOD

Support: GOOD

Connections: GOOD

Filters: GOOD

SAMPLE

CONTROLS

Steering
Wheel steered via hydraulics. GOOD

Engine: GOOD

BILGE PUMPING SYSTEM

Pump(1):	Manual diaphragm. GOOD – {5} It is recommended that the manual pump be tested at the beginning of each season.
Location:	Cockpit.
Accessibility:	Readily accessible.
Piping:	Smooth bore hose. GOOD
Valves:	No.
Strum box:	Yes.

Pump(2):	Electric. GOOD
Type:	Non-submersible.
Ignition protected:	Yes.
Location:	Beneath starboard saloon berth.
Accessibility:	Readily accessible.
Piping:	Smooth bore hose. GOOD
Valves:	No.
Strum box:	No. {6} It is recommended that a strum box be fitted to the bilge pump suction similar to that on the manual system.

SAMPLE

SCUPPERS & DRAINS

Cockpit drains direct overboard. GOOD

VENTILATION

Engine space:	GOOD. Natural and with blowers.
Fuel tank space:	GOOD. Common with engine space.
Batteries:	FAIR – batteries beneath aft berth are somewhat isolated from the engine and fuel tank spaces. {3} It is recommended that the ventilation for the batteries be improved.

{Ref. TP1332
6.5.1 Spaces containing batteries shall provide for the overboard ventilation of hydrogen gas released by the battery.}

HEATING & AIR CONDITIONING

None fitted.

ELECTRICAL SYSTEM – DC

Battery(ies):	Two.
Location:	Beneath aft berth
Restraint:	Straps.
Cover:	Bed base.
Ventilation :	Refer to VENTILATION.
Cables :	GOOD
Selector switch:	Yes. GOOD
Alternator:	Ignition protected. GOOD
Wiring:	GOOD
Panel:	GOOD

ELECTRICAL SYSTEM – AC

Shore connection:	Covered receptacle.
Shore power cord:	Not noted.
Panel:	Main distribution panel to port in. Visually in good order. NOTE – No ready access to rear of panel.
Generator:	None fitted.
Selector switch:	Not required.
Charger:	Dolphin 20 amp. Visually sound and in good order and secure.
Wiring:	Unable to directly inspect.
Receptacles	

SAMPLE

NAVIGATION & ELECTRONICS EQUIPMENT

Compass:		Plastimo. GOOD.
Sound signaling:		Oral horn.
Lights	P & S	Bow rail fixture – GOOD
	Stern:	GOOD
	Mast:	GOOD
	Anchor:	Atop mast. GOOD
Searchlight:		None.
Depth indicator:		Yes.
Knot log:		Yes
Radios:		ICOM IC-M304. GOOD
Public Address:		No
Radar:		Furuno.
Autopilot:		Brookes & Gatehouse Network Pilot.
GPS:		Navman Tracker.

NOTE – systems powered up but operational functionality could not be verified, however all appeared GOOD

CATHODIC PROTECTION

Shaft anode. FAIR – surface needs cleaning. {4}

BONDING

None

LIGHTNING PROTECTION

Chain plates to keel bolt. GOOD

AMPLE

FRESH WATER SYSTEM

Pressurized: Pump and accumulator beneath saloon starboard settee. GOOD

Fill pipe: Hose. GOOD

Tank: Two. GOOD

Location: Beneath forward and aft berths.

Material: Polyethylene. GOOD

Heater: Quick Nautic, 1200W, beneath saloon starboard settee. GOOD

Piping: GOOD
Valves: Yes. GOOD

GREY WATER SYSTEM

Direct overboard via seacocks.

NOTE – ice box drains overboard via a seacock teed to a foot pump enabling raw water to be drawn for washing in galley sink.

SEWAGE SYSTEM

Intake valve: Seacock. GOOD

Intake piping: Hose. GOOD

Toilet: Jabsco, manual. GOOD

Holding tank: GOOD

Location: Outboard of head compartment liner.

Material: Polyethylene.

Discharge piping: Hose. GOOD

Discharge fitting: On deck. GOOD

SAMPLE

PROPANE SYSTEM

Locker: GOOD
Regulator: Yes
Pressure gauge: No [1]

Ref. {ABYC A-1}

1.5.2

Each system shall be fitted with a pressure gauge. The gauge shall read the cylinder pressure side of the pressure regulator.

NOTE: The purpose of the gauge is to provide a quick and easy way to test the system for leakage.)

Lines: Hose. GOOD
Shut-off: At tank. [2] A means of shutting off the gas supply should be installed and readily accessible in the vicinity of the stove.

Tanks: Two. One for galley stove one for rail mounted BBQ. GOOD

GALLEY OUTFIT

Sink: s/s. GOOD
Range: Eno propane. GOOD [see PROPANE SYSTEM above]
Refrigerator: GOOD
Microwave: No

PROTECTIVE COATINGS & COSMETICS

GOOD

LININGS

All GOOD

DECK COVERINGS

None.

AWNINGS, SCREENS & COVERS

Not inspected.

SOFT FURNISHINGS

VERY GOOD

SAMPLE

MISCELLANEOUS EQUIPMENT

Steel storage cradle. GOOD

SAFETY EQUIPMENT

Liferings:	Yes
Heaving line:	Yes.
PFDs:	Several assorted types and sizes.
Harnesses:	Four.
Life raft:	Yes. Superfluous and outdated.
Flares:	Yes. Outdated
Waterproof flashlight:	Not seen.
Fire fighting:	Not noted.
LPG gas sensor:	No.
CO detector:	No.

[3] Safety equipment required as per Small Vessel Regulations

Small Vessel Regulations - No person shall operate or permit another person to operate a vessel unless the safety equipment required by these Regulations is carried on board the vessel and the equipment meets the requirements of these Regulations.

DOCUMENTATION (Certificates, manuals etc)

Comprehensive. GOOD

GENERAL COMMENT

A well maintained and equipped vessel.

INSURABILITY

The vessel as seen, remains suitable for its designed purpose, subject to the Recommendations in [ ] being implemented.

SAMPLE

VALUATION

Fair Market Value as inspected: In the range of $ xxxxxxxxx to $ xxxxxxxxx
Valuation based upon prevailing local market, vessel condition and outfit
Fair Market Value does not include GST (Goods and Services Tax) or HST (Harmonized Sales Tax)

SAFETY DEFICIENCIES & RECOMMENDATIONS

[1] A pressure gauge should be included in the propane system.

[2] A means of shutting off the gas supply should be installed and readily accessible in the vicinity of the stove.

[3] Safety equipment required as per Small Vessel Regulations. It is strongly recommended that a CO and LPG gas sensor(s) be installed.

SURVEYOR'S ADDITIONAL RECOMMENDATIONS

{1} Recommend rudder be unshipped and gel coat removed, underlying structure repaired if required and the whole recoated with gel coat or similar impervious coating. A permanently installed drain plug is also recommended.

{2} Recommend replace exhaust hoses prior to 2017 season.

{3} It is recommended that the ventilation for the batteries in the aft cabin be improved.

{4} Shaft anode surface should be cleaned prior to each season.

{5} It is recommended that the manual pump be tested at the beginning of each season.

{6} It is recommended that a strum box be fitted to the bilge pump suction similar to that on the manual system.

{7} Correct deck gel coat cracks as desired.

SAMPLE