

TOUCAN — NAUTOR'S SWAN



Builder: NAUTOR'S SWAN

Year Built: 2008

Model: Cruising Sailboat

Price: PRICE ON APPLICATION

Location: United States

LOA: 66' 0" (20.12m)

Beam: 17' 8" (5.38m)

Min Draft: 10' 5" (3.17m)

Our experienced yacht broker, Andrey Shestakov, will help you choose and buy a yacht that best suits your needs **TOUCAN — NAUTOR'S SWAN** from our catalogue. Presently, at Shestakov Yacht Sales Inc., we have a wide variety of yachts available on our sale's list. We also work in close contact with all the big yacht manufacturers from all over the world.

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SPECIFICATIONS

Overview

Incredible German Frers from the masters in Pietasaari, she was hatched 2008. The ultimate cruising Swan with carbon this and kevlar that - as the name implies - she flies.

Basic Information

Category: Cruising Sailboat

Model Year: 2008

Year Built: 2008

Country: United States

Dimensions

LOA: 66' 0" (20.12m)

LWL: 56' 4" (17.17m)

Beam: 17' 8" (5.38m)

Min Draft: 10' 5" (3.17m)

Speed, Capacities and Weight

Displacement: 66138.6786 Pounds

Water Capacity: 132.086026 Gallons

Holding Tank: 110.95226184 Gallons

Fuel Capacity: 343.4236676 Gallons

Accommodations

Total Cabins: 4

Total Berths: 9

Total Heads: 3

Hull and Deck Information

Hull Material: GRP

Deck Material: Carbon Fiber

Hull Finish: Stainless Steel

Hull Designer: German Frers

Engine Information

Engines: 1

Manufacturer: Steyr

Engine Type: Inboard

Fuel Type: Diesel

DETAILED INFORMATION

Construction

RCD Status: The yacht conforms with the essential safety requirements of Directive 94/25EC (Recreational Craft Directive) and is categorised A – “Ocean”

Hull & Superstructure Construction:

- Scantlings, materials and workmanship throughout are consistent with the construction of a light hull, but without any sacrifice of strength or stiffness.
- The hull is built in a female mould using vacuum assisted resin infusion.
- The bottom is of single skin construction, the topsides of foam cored sandwich, using glass/aramid hybrid fibre reinforced vinylester laminate.
- A high proportion of the fibres are unidirectional, giving a stiff laminate with excellent strength and fatigue properties.
- Structural bulkheads are manufactured by using vacuum assisted resin infusion, and of foam cored sandwich with carbon fibre skins, and laminated to hull and deck.
- Stiffener flanges are unidirectional carbon lay-ups over foam cores or hollow double bias glass formers.
- Engine beds are of GRP with steel inserts; special care is taken to assure rigid foundation and proper adhesion to hull.

Finish:

- Gelcoats are of weather resistant NGA type.
- Topside colour is white, boot top, cove stripe and coaming stripe in green.
- Uncoloured gelcoat below waterline.
- Flotation reference marks at bow and stern.
- Bottom treated with epoxy primer for improved blistering resistance, and antifouled.
- Full bottom painting completed in August 2013.
- Topsides and on deck GRP waxed and polished in August 2013.

Deck Construction:

- Scantlings, materials and workmanship throughout are consistent with the construction of a light deck, but without sacrifice of strength or stiffness.
- Main deck is of carbon fibre sandwich with foam core and manufactured by using vacuum assisted resin infusion, and bonded to the hull.
- High-density core under deck fittings.
- Coachroof and cockpit of glassfibre reinforced vinylester with foam core.
- Laid teak 9mm nominal thickness on side and bridge decks, coachroof, cockpit sole and seats, glued and vacuum bagged without screws.
- 2 x Removable teak footrests for helmsman.
- Hydraulically controlled transom door/bathing platform with teak surface.
- The lazarette is separated with a watertight bulkhead from the interior; in lazarette stowage for an inflatable.

Chain Plates:

- Composite main shroud chain plates bonded to hull and to reinforced structural knees.
- Recessed stainless steel headstay chainplate and deck level composite backstay chain plates attached to hull structure.

Keel & Rudder:

- The keel is lead casting alloyed with antimony and bolted to a bottom grid.
- Keel bolts are of high-tensile stainless steel.
- Foam filled blade with carbon fibre/epoxy skins and carbon fibre stock, supported by two self-aligning bearings.

Machinery

Engine & Gearboxes:

- 1 x Steyr 166hp. 120 kw engine with inline generator.
- Engine space internally sound insulated; fire resistance meeting SOLAS B-15 requirements.
- Propeller area sound insulated.
- Lubricating oil change pump, 24v, connected to both main engine, generator and gearbox.
- Main engine cooling water is discharged with exhaust gases through transom; silencers provided with drain tap.
- Thermostat-controlled water cooling with heat exchanger on engine; seawater intake with strainer; discharge through exhaust system.

Maintenance & Performance:

- Engine Hours: c. 1700 as of 18-01-13.
- The main engine has been serviced in accordance with the manufacturer's recommendations.

Propulsion & Steering:

- Dual steering gear, sheaves provided with guards to prevent jamming.
- Lightweight steering quadrant bolted to rudder stock.
- 2 x 1.20m destroyer type stainless steel wheels; 2.0 turns H.O. to H.O.
- Pedestals with roller bearings and friction brake.
- Emergency tiller stowed in lazarette.
- Engine cockpit controls:
 - o Engine control on/off.
 - o Start and stop buttons.
 - o Single lever control of throttle and gear shift.
 - o Coolant temperature gauge.
 - o Oil pressure gauge for engine.

- o Tachometer with hour meter.
- o Warning light and audible alarm for low oil pressure/high coolant or exhaust temperature.
- o Control light for starting and service battery charging.
- Propeller shaft made of high-tensile corrosion resistant steel with flexible shaft couple.
- Drip-free shaft seal.
- Shaft supported by rubber bearing at bracket and stern tube.
- 670mm three-bladed folding propeller, plus weed-cutter
- MaxPower VIP 250 HYD 24 volt bowthruster with separate battery bank and charger.

Plumbing Systems

Voltage Systems:

- 24v DC system with insulated return.
- 230v AC is a three-wire grounded system.
- Wires are dimensioned to minimize voltage drop.
- A lightning protector on the masthead is connected with heavy cable to a keel bolt.
- DC System:
 - o Maintenance-free traction gelcell type for general service, AGM for starting.
 - o Battery sets are located in ventilated GRP boxes.
- AC System:
 - o The AC system can be fed either by the diesel generator, shore power or the inverter.
 - o Connection to battery charger, refrigeration and water heater resistor.
- Outlets provided with earth fault protection.
- 12/24v outlet in cockpit.
- 12/24v outlet on mast.

Battery Banks:

- Service battery, gel cell; 24v 720Ah (20h).
- Instrumentation battery, gel cell; 24v 290ah (20h).
- Starting battery, AGM; 12v 75Ah (20h).
- The engine and diesel generator have their own starting battery sets.

Battery Chargers:

- The service batteries are charged by a 140a alternator on the main engine or by a two Mass 24/75amp battery chargers working on AC.
- The main engine starting batteries are charged by a 55a alternator on the main engine, the diesel generator starting battery is charged by a 35a alternator on the genset.

Generator:

- 10.2kW Panda 230v AC diesel generator with sound shield; c. 490 hours as of 18-01-13.
- Two-stage silencing exhaust system with fiberglass silencer and gas/water separator for diesel generator.
- Generator cooling water is discharged below waterline; silencers provided with drain tap.

Shore Power:

- Shore power connection; 230v 50a 50Hz; provided with polarity alarm, main switch and land connecting cable.
- Additional 230V shore power inlet including isolation transformer 7kVA 230V out for USA and Caribbean

Other Electrical:

- Mass Sine 24/2500 VA 230v inverter with transfer switch.

Panels and Controls:

DC Main Panel:

- Protected by Perspex doors.
- Switches of trip-free circuit type.
- Service battery capacity meter of digital type including volt and ampere meters.
- Switches for interior and navigation lights.
- Bilge water warning light with audible alarm.
- In separate locker near main switchboard:
 - o Main switch and fuses.
 - o Earth fault test panel.

Cockpit Panel:

- Main engine controls.
- Switches for mast flood light, spreader lights, boom lights, foghorn, compasses and navigation lights.
- Dimmer for boom lights and compasses.

Diesel Generator Panel:

- Diesel generator controls with oil pressure, coolant temperature, hour and V-meter.

AC Main Panel:

- Located near the DC panel and protected by a Perspex door.
- Switches of trip-free circuit type.
- Digital meter for volt, ampere and frequency.

DC Control Boxes:

- DC relays and fuses located close to main panel.

AC Control Boxes:

- AC contactors, relays and fuses located close to main panel.

Fresh Water & Water Heating System:

- Separate heat exchanger for the consumable fresh water is included in the engine water cooling circuit, making hot water available whenever the engine is running.
- The consumable water can be heated either with engine cooling water or with a heating element working on AC.
- Pressurized and heated water; total hot water capacity of 80 litres (21 USG).
- Sea cocks of bronze for all through-hull connections below waterline outside engine space, closing flush with outside and located in accessible positions.
- Bronze seacocks in engine space.
- Sea water hoses of reinforced PVC tubing, fresh water piping of nylon and copper tubing.

Watermaker:

- Seafresh H2016D (S), 24volt pure DC. Output 250 l/hour (66 USG), including auto fresh water flush.

Bilge Pumps:

- 5 x Bilge pumps:
 - o 3 x Electrical submersible pump with automatic switch 150ltr/min (39 USG).
 - o 2 x Hand pumps Whale Titan 100 ltr/min (26 USG)
- Outlets above waterline.
- Chain locker/forepeak manual pump.

Tankage

Fuel:

- Total fuel capacity of 1,300 litres (343 USG) in welded stainless steel tanks; provided with baffles, inspection covers, sounding plug and vent pipes.
- Fuel valve chest with return valve for each tank.
- Dual Separ SWK 2000/5UK fuel filter/water separator with water alarm on feed line to engine and a single SWK 2000/5K for diesel generator.
- Tanks are vented to deck edge.
- Diesel tank level gauges.

Fresh water:

- Total water capacity of 500 litres (132 USG) in welded stainless steel tank; provided with baffles, inspection covers, sounding plug and vent pipes.
- 1 x Filler line from deck terminating at valve chest under saloon floor.
- Water tank level gauges.
- Tank vent pipes terminate at galley sink.

Grey/Blackwater holding tanks:

- Total grey water capacity of 210 litres (55 USG).
- Total black water capacity of 210 litres (55 USG).

Gas:

- 2 x 6kg (13.2lb) Steel LPG tanks including securing arrangements and pressure regulator.
- In dedicated stowage accessed through port cockpit locker.

Navigation Equipment

- Suunto 135mm magnetic compasses on steering pedestals.
- Hydraulic autopilot B&G Hydra driving the steering quadrant with control panel in cockpit.
- Wempe Quartz clock and barometer in saloon.

- B & G H3000 Hydra autopilot ,with alternate back-up control system.
- B & G Hercules instrumentation.
- Raymarine E120 radar/plotter with E80 repeater at the helm.
- Comar CSB 200 AIS.
- Navtex ICS Navplus.
- Leica MX420/2 GPS.
- SeaMe radar target enhancer.
- ICOM 505 VHF with mike at helm.
- Iridium SC4000 voice/data.
- Radar antenna on post at stern.
- PC computer and screen.

Domestic Equipment

Galley:

- Stainless steel sinks.
- 240 litre (8.4 cu.ft, 63 USG) refrigerator, plus a 125 litre (4.4 cu.ft, 33 USG) refrigerator.
- 130 litre (34 USG) freezer.
- Iceberg refrigeration unit with hold-over plates for refrigerator and freezer, 2 x 230v AC-driven 0.5hp units.
- Stainless steel four-burner Force 10 gas stove with oven, gimballed and provided with fiddles; flame failure protection on burners.
- Manual gas shut-off cock adjacent to stove.
- Remote controlled shut-off and leak detector near gas bottle with control switch, warning light in galley and manual bypass.
- Gas installation according to ISO 10239.
- Quooker ST water boiler unit 800w 240v 3 litre (6.34 US pint) capacity.

Heads/Showers:

- Equipped with Corian Glacier White washbasin, mirror, telephone type shower, towel, soap and paper holder, and lockers.
- Full height GRP lining.
- Single lever mixing faucets type Oras for wash basins, galley sinks and showers.
- Galley sinks drain through seacocks.
- Wash basins and showers drain to sump tanks, capacity of 7 litres (6.8 US pint) each. Sump tanks are emptied by electrical or manual whale pumps; outlets above waterline.
- 2 x Electrical toilets plus 1 x manual, using fresh water for flushing, and discharging to holding tanks with indication at $\frac{3}{4}$ and $\frac{1}{1}$ level; holding tanks emptied by electric pump or deck suction line.
- Deck shower starboard side aft in lazarette.

Heating & Ventilation:

- Natural ventilation in cabins.
- Exhaust ventilators in heads and galley.
- Air inlet with water and sound trap, outlet with blowers in engine space.
- Separate outlet for diesel generator cooling air with blower.
- Battery boxes ventilated to outside.
- Galley extractor hood fan.
- Air conditioning with reversed cycle, Wesbasto blue cool premium 50,000 BTU/14.6kW, 230v with 2 x rotary compressors.
- External heating unit Webasto Thermo 90 ST, 24v/9.1kW; with blowers and local controls in cabins, galley and saloon. Includes separate shore power inlet and cable.

Entertainment:

- Sony GT310 stereo radio players in saloon and in owner's cabin.

Lighting:

- 12v DC lighting with voltage stabilizer:
 - o Interior overhead lights, chrome halogen 10w.
 - o Saloon overhead lights with dimmer.
 - o Indirect lights over bookshelves in saloon, both sides.
 - o Reading lights for all berths.
 - o Floodlight down on mast, spreader lights.
- 24v DC consumers:
 - o Engine room fluorescent lights, AS18W.
 - o Automatic lights, AS10W, in hanging lockers.
 - o Night lights in galley, navigation area owners cabin , and saloon.
 - o Lazarette and forepeak lights, AS40.
 - o 24/12v outlet at navigation area.
 - o 24/12v outlet on mast.
- Exterior lights:
 - o Steaming light.
 - o Side lights and stern lights are LED.
 - o Portable anchor light, AS40.
 - o Compass light with dimmer, floodlight down, spreader lights.
 - o 2 x Boom lights with dimmer and switch.

Accommodation

Summary of Accommodation:

- Teak with hand rubbed satin finish is used for all visible woodwork.
- Cabin bulkheads and partitions of teak-faced plywood.
- Lightweight floorboards with laid oak veneer (with grooves), providing access to the bilge.

- Topsides where visible lined with teak battens.
- Overhead lined with removable panelling covered in vinyl. Same material on inside of coachroof coamings.
- Roller blinds/mosquito screens for hinged deck hatches.
- Cabinets, tables, bureaus, seats, dressers etc. Have rounded corners.
- Doors, partitions and panelling throughout are teak faced plywood.
- Self-engaging latches with bumpers to hold doors in open position.
- Hanging lockers are equipped with rods and hooks and have bottom drawers where possible and provided with louvers.
- Drawers are secured with latches.
- Wood companionway ladders.

Upholstery:

- 12.5cm (5") thick spring mattresses and Scandiflex batten system for owner and guest fixed berths, 7.5cm (3") thick foam mattresses for Pullman berths and crew.
- Berths equipped with canvas leeboards.
- Textiles covers with zippers for berths and settees.
- Blinds for side windows.

Internal Layout:

Description of layout from forwards:

Fore Peak/Fo'c'sle:

- Water tight collision bulkhead aft.
- Rails for hanging sheets etc and spinnaker storage.

Crew Cabin Forward:

- Double berth port side with Pullman above.
- Hanging locker and storage starboard.

Guest Cabins:

- Port cabin with double berth and Pullman above, hanging locker, and head with separate shower stall.
- Starboard cabin with upper and lower berth, hanging locker, and head/shower doubling as day head.

Saloon:

- L-settee with dining table and bench port side (leather upholstery).
- L-settee with coffee table starboard (leather upholstery).
- Outboard lockers, bookshelves.
- Separate wine and spirits lockers.

Galley:

- Insulated and sheathed space for stove with extractor hood over.
- Corian counter tops.
- Crockery locker on centreline above sink.
- Chest of drawers for utensils.
- Teak bread board and chopping board.
- Stowage under floorboards.
- Large garbage locker beside sink.
- Large pan drawer under refrigerators.

Navigation Area:

- Provided with shelves, lockers, drawers and space for instruments and radios on angled panels.

Aft Owner's Cabin:

- Double berth to port with drawers below.
- Hanging locker.
- Small sofa which can act as a sea berth.
- Aft companionway access to rear cockpit.
- Heads compartment with 'telephone' shower.
- Extra large oilskin locker in passageway with blower/heater.

Deck Equipment

Rig:

- IG: 90'2" / 27.50m.
- J: 24'5" / 7.45m.
- P: 82'10" / 25.25m.
- E: 24'11" / 7.60m.
- The carbon mast is stepped through the deck onto a composite mast step.
- Tie rods from mast collar to step.
- Harken deck gear.
- Roller bearing lead blocks for halyards and slab reefing at mast partners.
- Aluminium jib sheet T-tracks with cars.
- Lead block for jib sheets.
- Mainsheet single point deck attachment on coachroof, double ended sheet led forward along boom to gooseneck, down to deck, and aft to cockpit below deck.

- Roller fairleads integrated in pulpit bases forward and in pushpit bases aft.
- Spars are built of standard modulus carbon fibre and painted white.
- Three spreader rig with discontinuous shrouds and swept spreaders, built by reputable mast builder.
- Mast of oval section, with Antal 60 track for full-batten mainsail.
- Tapered masthead with 4 x halyard sheaves.
- Staysail halyard sheave.
- Internal wiring, shielded in PVC tubes secured to mast.
- Neoprene mast boot with Dacron cover over deck partners.
- Footsteps, four pairs.
- Navtec rod standing rigging.
- For shrouds rigging screws with covers.
- Headstay has toggles at upper and lower end.
- Inner forestay (detached) and runners of aramide.
- Inner forestay rod with manual Reckman furler
- Park avenue type boom with hydraulic outhaul and arranged for single line reefing with 2 x reefing lines.
- Carbon spinnaker pole on mast .
- Lazy jacks; 4 x each side.
- 2 x Deck blocks for runners.
- Reaching strut in carbon stowed on side deck.
- Burgee halyard.
- 1 x Pair of cars with stoppers for jib sheets.
- Navtec hydraulic rig controls:
 - o Boom vang with high-pressure return.
 - o Tensioners for backstay legs, mainsail outhaul, inner forestay , and for jib halyard on side of mast.

- o Hydraulic mast jack with spacer and removable manual pump.
- o Furler for staysail led to halyard winch in forward cockpit .
- Power sail controls:
 - o Recessed Reckmann hydraulic headsail furler.
 - o Hydraulic controls on helmsman panel.
 - o Powered winches for jib, mainsheet and halyards.
- Running rigging:
 - o Ropes of Vectran or Spectra with Tylaska snap shackles.

Winches:

- Winches are Harken self-tailing electric powered.
- 2 x Primary sheet winches B980.3 STE 2-speed.
- 2 x Secondary/mainsheet winches B980.3 STE 2-speed.
- 2 x Halyard winches B60.2 STE 2-speed winches on coachroof.
- 2 x Manual runner winches.
- 2 x 10" lock-in and 2 x 10" double-grip winch handles.

Sails:

- Furling jib carbon/spectra (2010).
- Furling staysail spectra (2008).
- Main fully battened carbon/spectra (2011).
- Genoa (2011).
- 1.5 oz asymmetric spinnaker with snuffer (2008).
- 2.2 oz asymmetric heavy spinnaker with snuffer (2009, used once).
- Fore Triangle: 1102.6 sq.ft / 102.4m².

- Main Sail: 1308.9 sq.ft / 121.6m².
- Jib: 1026.9 sq.ft / 95.4m².

General:

- Socket for flag pole on pushpit.
- Aqua Signal foghorn on mast, manual and automatic control.
- Bosun's chair.
- Flag pole.
- Cockpit table.
- Modified pushpit with custom made teak seats.
- Steadying sail.
- Comprehensive library of ships manuals and drawings.

Hatches and Windows:

- On fore deck, hinged hatches to deck stowage and anchor windlass.
- Flush hinged sail hatch and openable deck hatches of composite construction.
- Main companionway lockable sliding hatch of tinted acrylic with sliding dropboard plus aft companion.
- Hinged Hatch to lazarette in cockpit.

Anchoring & Mooring Equipment:

- C-Quip 200 folding mooring cleats, 2 x 400mm on foredeck and 2 x 400mm aft, plus 2 x midships.
- Recessed electric windlass, Lewmar Ocean 3000 with gypsy; button control with 1 m cable.
- Chain locker with hatch.
- Folding anchor arm.

- 1 x CQR 75lb anchor on folding arm.
- 80m 12mm (3/8") high-tensile anchor chain.
- 4 x Mooring lines 15m each, diameter 20mm.
- 2 x Mooring lines 25m each, diameter 20mm.
- 6 x Air fenders with lines and covers.
- 1 x Boat hook.
- 4 x Plastic fenders with lines and covers.

Covers, Canvas & Cushions:

- Sprayhoods for companionway , and aft companionway.
- Padded canvas stowage cover for cockpit table.
- Canvas bags in companionway for stowage of halyard tails.
- Bimini.
- Sun awnings from mast to bimini.

Tender & Outboard:

- Avon 3.1m hard bottom inflatable dinghy.
- 8hp Yamaha 2-stroke outboard motor with crane.

Safety Equipment:

- Pulpit, pushpit and lifeline stanchions 640mm high of stainless steel with composite bases; spacing conforming to ORC requirements, pulpit of the open type.
- Stainless steel life lines.
- Gates in lifelines each side amidships.
- Stowage for eight-man liferaft in starboard cockpit locker.
- 2 x Webbed jackstays.

Fire-fighting equipment:

- Electrical deck wash/fire pump with connection on fore deck, hose provided.
- Softex total flooding system for engine and generator space with remote control at main companionway.
- 3 x Portable fire extinguishers in interior.
- 2 x Fire blanket in galley.
- 1 x Portable fire extinguisher in port cockpit locker.

Broker's Comments

TOUCAN is the result of superb yacht building, great design and uncompromising attention to detail from her very experienced original owner. TOUCAN is his third Swan. She is equipped for fast extended cruising and has been maintained regardless of the cost from day one.

Exclusions

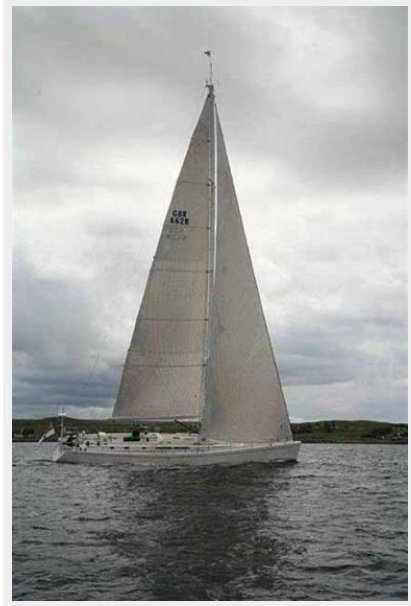
Owner's personal belongings.

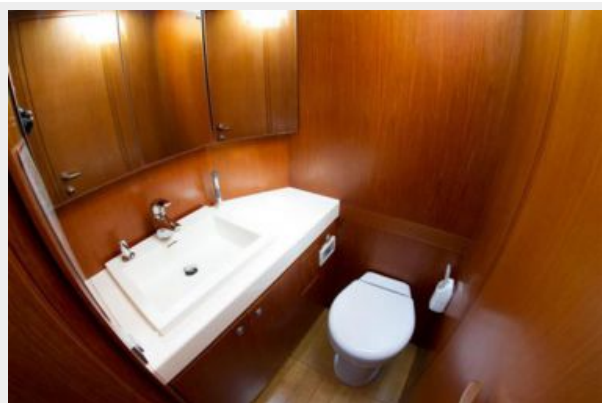
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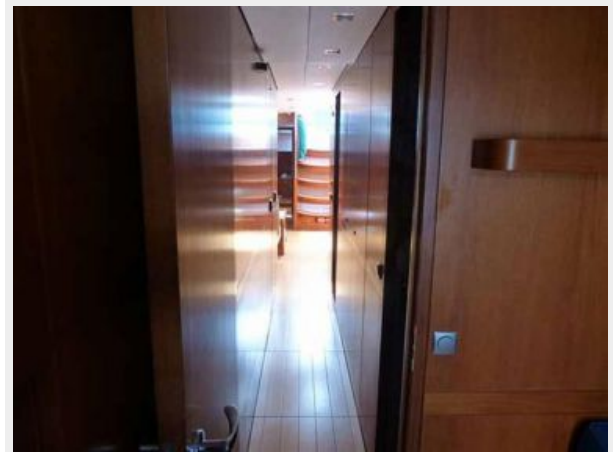
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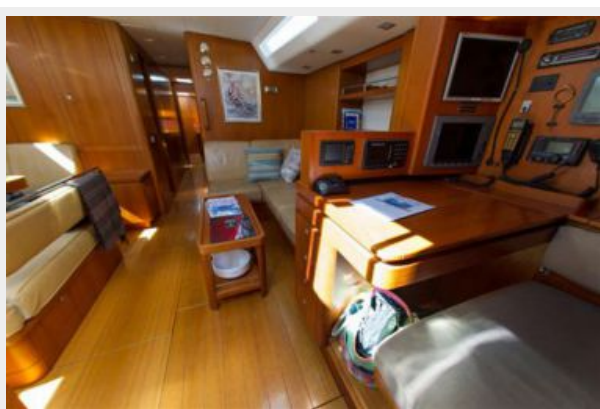
PHOTOS









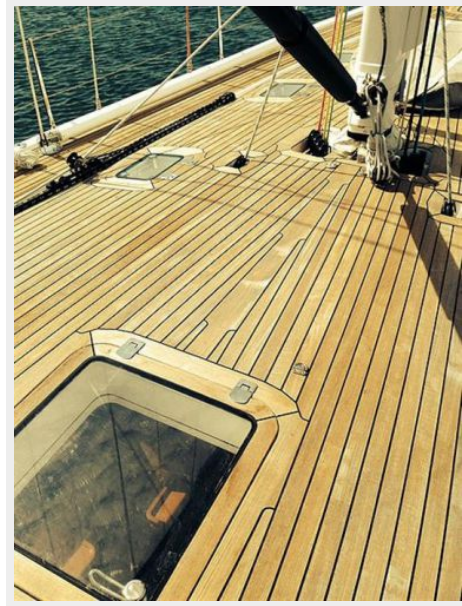


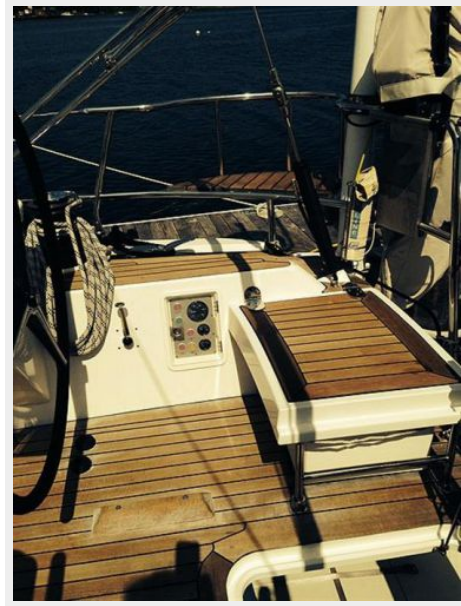












CONTACTS

Andrey Shestakov, leading yacht broker of the sales department of Shestakov Yacht Sales Inc. Shestakov Yacht Sales Inc., the official representative of the Miami/Fort Lauderdale FL headquarters.

Contact details

Email: andrey@shestakovyachtsales.com

Web: shestakovyachtsales.com/en/

Telephones

USA: +1(954)274-4435

Office hours

Monday – Saturday: **9:00 - 21:00** EDT

Sunday: **closed**

Address



Harbour Towne Marina, 850 NE 3rd St,
STE 213, Dania, FL 33004