

two oceans

MARINE MANUFACTURING



Quo Vadis

Open Ocean 750 Luxury Expedition Catamaran



Mv **Quo Vadis**, custom built by Two Oceans Marine Manufacturing in Cape Town, South Africa, was designed to operate safely, efficiently and comfortably in open ocean conditions. The design brief required *Quo Vadis* to be able to explore remote areas around the world. The vessel is completely “self sufficient”, capable of producing sufficient water and electricity for the full complement of guests and crew, enabling them to live in luxury for extended periods in remote areas. *Quo Vadis* has consistently returned an average fuel consumption for uninterrupted passages of approximately 2000 miles of 1.5 to 1.8 litres per nautical mile.

The hull and top deck are constructed using a sandwich of foam core, vacuum bagged between layers of stitched multiaxial glass and epoxy resin. Materials used are CE approved and the vessel is constructed to international standards.

The catamaran hull provides excellent stability and accommodation space equivalent to far larger monohull vessels. The high bridge deck clearance ensures a quiet and comfortable ride during extended passages, particularly during inclement weather.

The design has been tried and tested with various versions of this yacht having completed some large crossings and expeditions in both the Indian and Atlantic oceans.



Manufacturer: Two Oceans Marine Manufacturing
Model: 750 Expedition Catamaran
Length: 23 m
Year of build: 2012
Location: South Africa
Boat Name: Quo Vadis
Hull Material: GRP Sandwich
Number of Engines: 2
Fuel Type: Diesel
Total Power: 620 hp



DIMENSIONS & DETAILS

- L.O.A.: 23.00m
- Beam: 10.5m
- Draft: 1.6m to bottom of keel and rudder
- Displacement: 45 000kg depending on client's final layout and finishes
- Cruising speed: 10 knots @1,8 litres per mile
- Flag: South African registration number O.N.11212
- Crew: Captain, first mate and stewardess
- Launched: August 2012
- Main Engines: 2x Cummins QSB 5.9 with Teinbridge shafts and 4 blade propellers
- Main Genset: Cummins Onan 17.5kw 220volt
- Secondary Genset: Cummins Onan 9.5kw 220 volt

ACCOMMODATIONS

The saloon on the main deck incorporates the galley, bar, saloon table/drinks area ,lounge seating, flat screen TV and navigation station. Natural ventilation as well as unobstructed visibility are available through marine hatches and toughened glass. The interior design and layout was done in conjunction with *Nica Design Studio* and top quality fabrics and finishes were used throughout the vessel.

The hulls have been customized to each accommodate two en-suite double cabins that are ergonomically well laid out and spacious, giving a guest capacity of 8 people, with the beds in all cabins being able to be made as either king size or 2 x singles bunks. Two 2-sleeper en suite crew cabins, accessed from outside the guest area, separated by a sound proof bulkhead, offer privacy for guests and crew alike. The aft deck cockpit is spacious with ample space for entertainment, and provides easy access to the engine and generators.

The main tender, a 6m semi rigid rubber duck with 2 x 70hp Yamaha 4 stroke outboards, housed on a hydraulic davit, is positioned on the rear end of the aft deck.

The fly bridge has a spacious deck with lounge and a table that can comfortably accommodate 8 guests. The helm station provides good visibility and comfort for crew on extended passages.

The fore deck is uncluttered and affords safe and easy access to the trampoline, anchor locker, windlass , storage locker and a 3.1m semi rigid tender.

AFT DECK

- Self-draining
- Solid top bimini, with clear retractable side covers, covering aft cockpit area.
- Storage hatches for with 2 x 8 man life rafts, boat hooks, brooms, gas bottles, diving and snorkeling gear and general equipment etc.
- 2 x daybeds with mattresses
- Pressurized wash down system with hose and nozzle mounted on transom both fresh and salt water
- Retractable fresh water shower handset mounted on transom (hot and cold water)
- Removable boarding ladder for attachment to either sugar scoop
- Large cockpit table with 12 chairs
- Loose cushions for cockpit seating
- Outside cooking and gas barbeque area
- Ice maker
- Drinks fridge
- 3x chest freezers for long term storage of frozen supplies
- Courtesy lighting
- Teak decking throughout

SALOON INTERIOR

- Navigation station instrument drawers, electronics and communication station housing :
 - Computer station including with navigation and satellite communication software.
 - ICOM vhf radio.
 - Icom SSB radio
 - Autopilot repeater
 - Sat phone base station and internet connection
 - Electrical panel, AC and DC
 - Bilge pump switch/alarm panel
- Lockable sliding door with unhindered access to interior
- Upholstered saloon seating
- Saloon table
- Pop-up flat screen TV with audio visual system with interior

- and exterior zones
- KVH tracvision M7 antenna dome
- Large open galley area, solid counter tops and custom storage layout
- Full compliment of crockery and cutlery for 16 people
- Built-in double wash basins with draining rack, piped with pressurized hot and cold fresh water
- Salt water wash tap in basin
- Drinking water filtration system
- Dirt bin
- Gas stove with gas oven
- Custom fridges and freezer
- Dish washer
- Washing machine
- Dryer
- Microwave and toaster
- Utensil drawers and storage cupboards
- Crockery and glass storage racks
- Opening ventilation ports
- Composite flooring
- LED lighting throughout

FORWARD DECK

- Teak decking with safety rails
- Trampoline
- Single bow roller
- Self-draining anchor locker including electric windlass
- Primary anchor and 100m chain
- Secondary anchor and 60m chain
- 8 x fenders
- 10 x 24mm mooring
- 8 x mooring cleats
- 1x forward storage locker with dehumidifier and separate rope lockers

FUEL SYSTEM

- Aluminum fuel tanks constructed to marine specifications
- Fully baffled
- Inspection plate, isolating valve, fill, suction, vent & return lines
- Total usable volume approx. 7000 litres, range approximately 4000 miles at 8 to 10 knots depending on the sea conditions
- Level gauges are fitted to all tanks
- Transfer pumps and filtration system supply 2 x 450 litres a day tanks
- Fuel/water separator filters located in engine rooms
- Marine approved flexible fuel piping used throughout

ELECTRICAL

- 1 x starting battery bank per engine and genset
- Deep Cycle gel battery bank, total of 1500 amps at 24 volts
- Battery switches and distribution system for 12v, 24v and either 110 or 220v ac electrical systems
- 1 x 2500 amp Inverter charger with battery management
- 2 x 100 amp battery chargers
- 1 x Belmar 150 amp alternator fitted to each engine to charge house battery bank while vessel is underway
- 4 x Solar panels mounted on bimini top
- Navigation lights.
- Air-conditioning throughout the vessel with climatic control in cabins
- LED down lighters throughout vessel
- 2 x reading lights in each cabin
- Lighting in engine rooms, anchor locker and forward lazarette
- Courtesy lighting throughout vessel
- 1 x DC/AC Switch panel at navigation station
- 1 x 12V Outlet at navigation station in each cabin and at helm
- 220V/110V AC plug points in all cabins, saloon and on fly bridge.
- Marine grade wiring used throughout

STAINLESS STEEL

- All fittings are marine grade 316 stainless steel polished and welded
- Full length solid safety rails fitted to bulwarks
- 1 x boarding ladder

- Swim platform rails
- 1 x life ring holder
- 1 x dan buoy holder
- Hand/grab rails fitted in cabin around throughout saloon and fly bridge

PLUMBING

- 2 x integral fresh water tanks - +/- 1000 litres each
- 2 x black water tanks 100 litres each
- 2 x large electric bilge pumps with automatic float switches and audible alarms, located in each hull
- Pressurized fresh water system with hot and cold water to feed the galley and heads
- High pressure Karcher wash down system
- 2 x water desalinator units, producing up to 250 litres of fresh water per hour
- 2 x 75 litre hot water cylinders. Dual element, 220 volt/engine cooling water.
- Marine grade piping, valves and skin-fittings

EN-SUITE HEADS

- 4 x guest heads, complete with Tecma marine electric toilets
- 4 x separate guest showers with designer basins and taps
- Mirrors in each head

CABINS

- 2 x forward double cabins with mattresses, single and double
- 2 x aft double en-suite cabins with mattresses, single and double
- 2 x sets of custom linen for each all cabins
- Ample storage lockers in each cabin
- Crew cabins have two single bunk beds, storage compartments and private heads

FINISHING

- The hull exterior is faired and painted to super yacht finish using Awlcraft 2000 flagship blue
- All exterior walking areas have teak decking
- All interior walking areas to have composite flooring
- Below the water line, Epoxy Barrier Coat is applied, prior to anti-fouling
- 3 x coats of anti-foul

ENGINES

- 2 x 310hp A-rated Cummins diesel engines
- Wet Muffler exhaust with waterlock for each engine
- 1 x exhaust blower per engine room
- Propellers: 4 blade, fixed, bronze
- 1 x 17.5kw Onan main generator and 1 x 9.5kw Onan aux generator

DECK HARDWARE

- All deck hardware is of the highest quality
- Each cabin has a full length acrylic side window with opening port lights together with 1x large opening deck hatch in the accommodation area and 1x small opening deck hatch in the shower/ head area

DECK GEAR

- 6m Gemini semi-rigid tender with 2 x 70hp Yamaha 4 stroke outboard engines. Capacity 12 persons
- 3.1m Gemini semi-rigid tender with 15 hp Yamaha 2 stroke outboard engine
- Electric/hydraulic tender davit system on aft deck with electric davit on foredeck
- 2 x kayaks
- Dive compressor and 4 sets dive gear
- 8 sets snorkeling gear
- 6 sets fishing gear
- Full safety equipment as per SAMSA Category A regulations, including 2 X 8 -man life rafts EPIRB and personal jackets

GENERAL

- Operating manual, mechanical layout etc. as well as manuals of all installed equipment
- General spares and tools



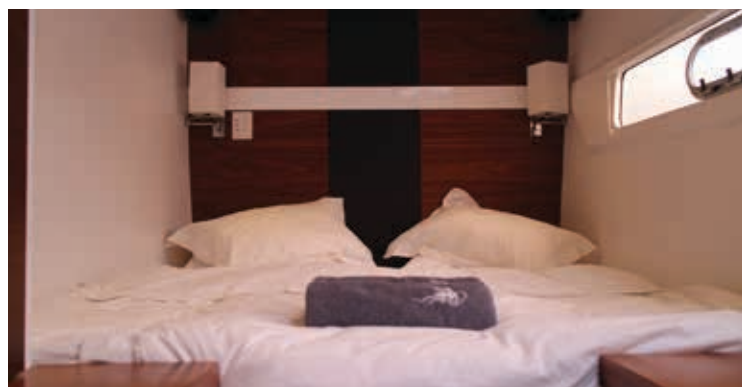
POWER

Engine #1

Engine Make: Cummins
 Engine Model: QSB
 Location: Port
 Hours: unknown
 Power: 310 kW
 Propeller Type: 4 Blade

Engine #2

Engine Make: Cummins
 Engine Model: QSB
 Location: Starboard
 Hours: unknown
 Power: 310 kW
 Propeller Type: 4 Blade



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