

Tenaz

40 m (131') - Auxiliary High Performance Cruising Sloop



SPECIFICATION

TYPE	Auxiliary High Performance Cruising Sloop	
FLAG	Cayman Islands	
DIMENSIONS	Length O.A.	40m (131')
	Beam	8.6m (28')
	Draft	3.6m (12')
TONNAGE	Displacement	170 tons
	GRT	177 tons
YEAR DELIVERED	1996 Major Refit ending 2010	
BUILDER	Pendennis Shipyard	
DESIGNER	Dubois Naval Architects	
INTERIOR DESIGNER	Redman Whiteley Dixon	
CONSTRUCTION	Aluminium hull and superstructure Lead ballast bulb on aluminium keel	
CLASSIFICATION	ABS and CISR	

MACHINERY

MAIN ENGINE	MTU 12V 183 TE72 820hp @ 2100 rpm
ENGINE HOURS	4285 @ August 2011
GEAR BOX	ZF BW 160
SHAFT & PROPELLER	Hundested variable pitch type VP7FR-EL
SPEEDS AND FUEL CONSUMPTIONS	Cruising speed of 12 knots at 1800 rpm Economical cruising speed of 10 knots at 1500 rpm Maximum speed of about 13 knots at 2100 rpm
RANGE	3,350 miles at Economic cruising speed 2,200 miles at Cruising speed inc. genset

AUXILIARY MACHINERY & ELECTRICAL SYSTEM

GENERATORS	2 x Kohler 40EFOZ 45KW @ 1500 rpm
GENERATOR HOURS	Date: Aug 2011 <i>Starboard:</i> 6240 <i>Port:</i> 6225
ELECTRICITY	50Hz 380v 3 phase 220v single phase 24v DC 220 ah 24v bank Inverter supply entertainment system and pc

TANK CAPACITIES (APPROX)

FUEL	Fuel 12,000 litres
WATER	Water 7,550 litres
WATERMAKERS	1 x HEM producing 5,000 litres per day UV and silver sterilizers
GREY WATER TANK	850 litres
BLACK WATER	850 litres

SAILS AND RIGGING

SPARS

Martin Spars composite mast and boom with hydraulic in-boom furling
OYS rod standing rigging fully serviced including re-ending of all rods, testing of all fittings, all electrical cables renewed in the mast – 2002
Full overhaul and repaint 2009
Navtec vang and backstay rams overhauled
All running rigging and sheets Spectra and Dynex

WINCHES

2 x Lewmar 111 3 speed for MPS sheets and stern lines
2 x Lewmar 88 3 speed for halyards
1 x Lewmar 88 2 speed for bow
2 x Nilsson captive CR 40 SL for running back stays – new 2003
6 x Maxwell captive CR 13000 for all other sheets and main halyard.
2 x Maxwell 6000 LP windlass's

SAIL WARDROBE

North and Doyle sails – Serviced 2009
New Fully battened main and new staysail (both North) - 2010
135% High Cut Genoa - new summer 2007
MPS with snuffer sock

ANCILLARY EQUIPMENT

STEERING SYSTEM

2 x composite helm wheels with hydraulic or manual options 2 x joystick control
Emergency tiller
Robertson AP300X autopilot
Whisper hydraulic pump for autopilot
Navigation station control via autopilot

RUDDER ANGLE INDICATOR

Helm position Robertson rudder angle indicators

BOW THRUSTERS

Hydra Power M16LHT in tunnel

HOT WATER

4 x 150 litres cylinders with immersion heaters

AIR CONDITIONING

Marine Air chilled water system with 180,000 BTU
17 air handlers (3 in master cabin)

HEADS

Super flush 1000 fresh water.

SAFETY & SECURITY EQUIPMENT

SAFETY

3 x Zodiac 8 man life rafts – new 2009
20 x adult lifejackets
2 x Jonbuoy recovery modules
4 x life rings 2 with smoke, 2 with floating line
14 x immersion suits
2 x flare packs
4 x line throwers
1 x EPIRB
1 x SART
1 x Life sling

ALARMS

Bilge	Waste Tanks
Smoke	Hydraulics
Gas	Power supplies

FIRE FIGHTING

Ring main with 3 x hoses couplings and attachments
2 x electric fire pumps
1 x fixed diesel fire pump
1 x portable diesel fire/salvage pump
Engine room shut down system with CO2 extinguisher
plus fuel and ventilation isolation
Portable extinguishers to CISR regulations
Emergency escape hatch in master cabin,
crew cabins, crew mess and engine room

COMMUNICATION EQUIPMENT

BGan
Fleet 77 Satcom
Iridium
Sat C
All the above interfaced with office PC
Internal exchange with phones in every cabin
1 x Icom DSC VHF – new 2003
1 x Skanti VHF crew mess
1 x Icom VHF helm with remote mike
8 x Icom VHF hand held water proofed
3 x UHF private channel hand held new 2008
1 x Furuno SSB
1 x McMurdo Navtex

NAVIGATION EQUIPMENT

2 x Sirs magnetic compasses at helm positions
1 x B&G flux gate
1 x Robertson gyrocompass
1 x Hand held compass
2 x B&G 40/40 display
1 x Sextant
1 x Furuno FR-7041 radar with helm repeater
1 x Furuno GP-31 GPS
1 x Furuno GP-150 GPS
1 x Furuno FA-150 AIS unit interfaced to
Maxsea plotter with helm repeater
1 x B&G Hydra multifunction system

DECK EQUIPMENT

Staalart hydraulic crane (aft deck)
Composite aft passerelle
Aluminium side passerelle
Hydraulic transom door/swim platform
Spreader mounted searchlight
Spreader mounted air horn
Cockpit and Helm Bimini (fixed) with removable side screens
4 x Sets of scuba diving equipment
Dive compressor
2 x Kayaks
2 pairs of Water skis
Zodiac YL 480 with Honda 75hp 4 stroke
Grand with Yamaha 20hp 4 stroke
Zodiac 3m with 4hp 4 stroke

AUDIO/VISUAL ENTERTAINMENT SYSTEMS

Bose audio equipment throughout guest areas.
Sound & Video PC in main saloon storing up to 150 films.
iPod interface in all areas.
LCD 42" TV sets in main saloon and owner's cabin.
CD Onkio systems in each of the 3 guest cabins
TV in starboard guest cabin.

OFFICE EQUIPMENT

Compaq PC for office work and email
Canon MFC colour printer/fax/scanner
Separate Shuttle PC for plotter

DOMESTIC EQUIPMENT

Miele gas hob and electric oven
Miele microwave
Miele dishwasher
LG washing machine
Miele dryer
2 x Icemakers – 1 new 2006
Gastronorm freezer – full overhaul 2010
Gastronorm fridge – full overhaul 2010
Vegetable fridge – full overhaul 2010
Cockpit drinks fridge x 2

BROKERS COMMENTS

Launched as ***Mamamouchi*** by Pendennis Shipyard in 1996 and acquired by her current owner in 2007, ***Tenaz*** has recently undergone a major refit at Pendennis ending 2010.

She is now offered in excellent condition with all the benefit of a sensible refit where the 'behind the scenes' mechanics and infrastructure have been comprehensively refitted and replaced where necessary.

She has a sleek profile which gives wonderful visibility forward from her huge cockpit. She has earned a superb reputation for her performance under sail.

She is capable of sailing the world in comfort, speed and style and has 4 guest cabins, a 'real' engine room and full crew quarters.

PENDENNIS REFIT ENDING 2010

Previously refitted at Pendennis in 2005.

Following an extensive world cruise, the new owner asked Pendennis Shipyard to bring her back up to an "as new" standard.

The main thrust of the refit was to ensure that the mechanical "foundations" were sound.

Fully refurbished the refrigeration system in 2010 - removing the sea water units and replacing them with air cooled compressors.

Engineering:

The seawater distribution system and bilge pipework were removed, blasted, regalvanised and painted. All pumps were removed, overhauled and painted. Through hull valves were all removed and replaced with ABS approved units.

The engine room bilges were cleaned back and repainted

The main engine exhaust system was overhauled and a new riser/separator installed

The battery banks were replaced and a UPS system for critical systems installed

The helm systems were rebuilt and modification of the electrical control circuitry made

Mainsail Furling System

The mainsail furling system was up graded to a new RF remote control system supplied by On Board Systems of New Zealand. who supplied the original system when she was first built. Sail handling hydraulics and electrical control systems were overhauled and upgraded.

Interior refurbishment

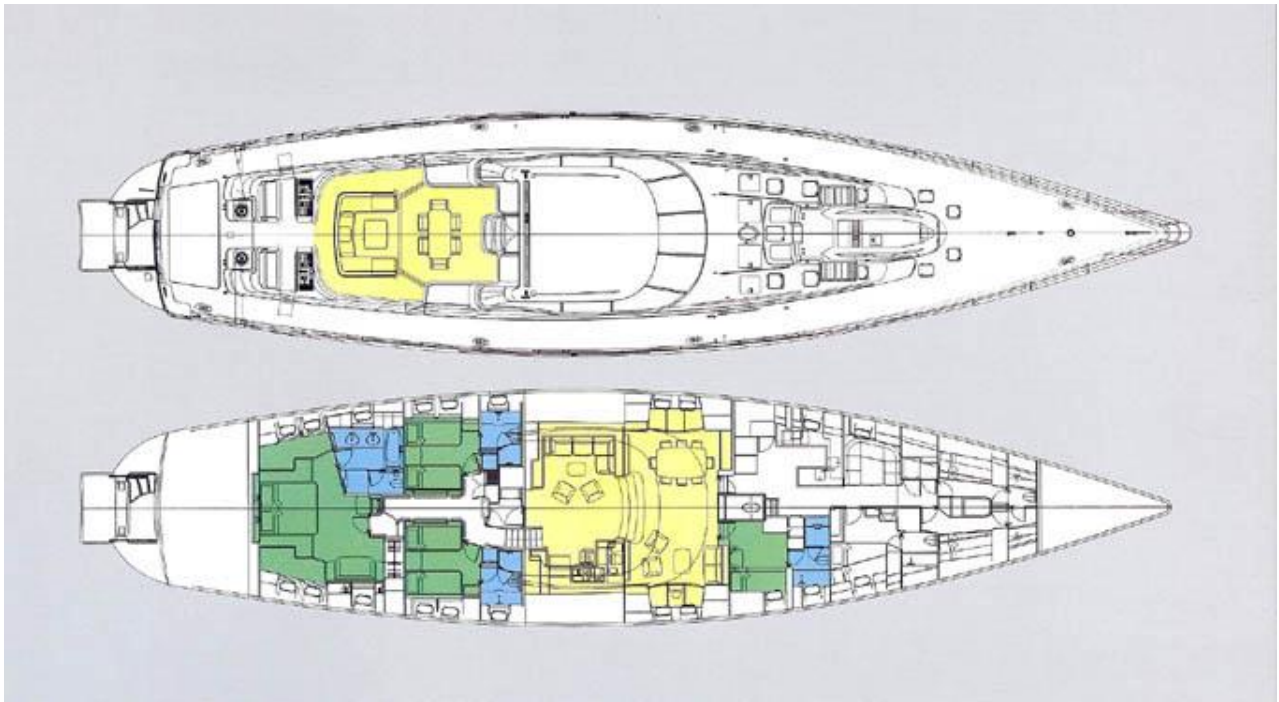
Headliners and carpets were replaced throughout, decorative and emergency lighting replaced, the focus again being placed on overhauling the foundations.

Teak deck refurbishment

The entire deck was refurbished and all caulking cut out and replaced.

Exterior and rig

Full exterior repaint of hull, superstructure and rig. The hull was blasted back to filler to remove all traces of old antifouling and a full system applied.



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