boatservices australia

Clients Name	**Robert Morales**	**Date**	**5th February 2016**
Postal Address	**6 Beenong Road**	**Valuation**	**$160,000**
Suburb	**Darlington**	**Engine Type**	**Volvo D2-40F**
State	**WA**	**Drive Type**	**Shaft**
Postcode	**6070**	**Engine Hours**	**501**
Email	**robert.morales.oz@gmail.com**	**Engine Number**	**869646 / 51020188004**
Vessel Name	**Pachuca**	**Genset**	**Single Alternator off main engine**
Vessel Type	**Sparkman & Stevens 39**	**LOA**	**11.89m**
Registration Number	**33990**	**LWL**	**10.45m**
HIN	**AU-TWA033063CJ5**	**Beam**	**3.50m**
Vessel Location	**FSC**	**Draft**	**2.30m**

General Comments:

I inspected this vessel originally in December 2015 and have since then visited her again to ascertain what value and what level of survey was needed for a vessel such as this one. I will list her impressive inventory then try to capture some if not all of the work undertaken by her most fastidious owner over the past two years.

This S&S 39 was originally laid down in 1983 and originally purchased in May 2005 by this owner for $105,000, since then the owner has spent at least that amount again ensuring that the vessel is capable of undertaking successfully a circumnavigation of the world, in which it now has done. I have seen receipts and invoices in excess of $330,000 in refit costs alone. This list can be supplied if required.

Over the past two years she has had a new engine fitted, electronics, navigation systems, the entire sail wardrobe, new standing rigging throughout, the interior has been scrubbed, checked and resurfaced from stem to stern and new teak decking on the entire top deck.

In short this vessel is and shows to be impeccably maintained and in perfect condition that would enable her to be safely sailed in club events or if chosen another circumnavigation.

She is finished in all over white gelcoat that is in average condition, the owner has told me that he intends to have her repainted at her next lifting in twelve months' time, the bottom is finished in blue antifouling that at the time of inspection was being removed and repainted, the standing rigging is in as new condition, the running rigging is certainly serviceable and the chain was being removed from the yacht to be refurbished or replaced.

The interior is in tiding with her age, however every space is functional and neatly kept as would be expected for a vessel setup for Bluewater cruising.

This vessel is exceptionally well kept and maintained and I have no hesitation in deeming her seaworthy, she is a credit to her owner who has devoted this stage in his life to the use and enjoyment of this striking yacht

Pachuca currently has the following specifications and inventory:

- S&S 39
- Designed for ocean racing to IOR specifications
- Launched Nov 1983
- Built in Bassendean, WA by Prestige yachts
- Round bilge, GRP construction
- Bolted on lead keel
- LOA: 11.89 m
- Max beam: 3.50 m
- Draft: 2.3m (7.5 ft.)
- Weight: 8.5 tons
- Mast clearance: 16 m
- WA Registration No. 33990
- Australia Registry of Ships number AUTWA033063CJ5
- Call sign VNW5280
- 6 x Maxwell winches (4 in cockpit, 2 on cabin)
- All halyards to cockpit
- PLASTIMO “Olympic 135” or “Horizon 135” binnacle compass
- Trimble NT200D GPS with repeater at binnacle
- LOWRANCE “Globalnav” GPS
- Navman depth sounder
- Raymarine Instrumentation:
    - C120 Multifunction Display
    - 125 GPS Receiver
    - 24 Mile Radar
    - Garmin 125H GPS
- Pactor III modem patched to a Miccom M700PRO HF marine transceiver
- COMAR CSB200 Class B AIS Transponder
- KENWOOD “MAT-100” antenna tuner
- Rutland 913 wind Generator
- 2 x Unisolar panels and regulator
- Stainless Steel Cockpit frame
- Spray dodger, cockpit awning, side sun screens, link sheet
- Marlec HRDX Charge Controller
- RFD 4-person life raft
- Pioneer/Kicker Sound system
- Para Anchor “Bass Strait 18” parachute drogue with in water kit
- Mastervolt Mass 12/60-1 charger
- ICOM M700Pro HF radio
- ICOM AT-130 Automatic Antenna Tuner
- SCS Pactor IIUSB modem, UN17070100000E84E92320
- Eclipse DSC GX1000S) 25 watt VHF transceiver
- West Marine (Uniden) VHF 150 hand held
- EPIRB ID: 2DCE611E2CFFBFF
- Fast Find Personal EPIB, McMurdo Fast Find 210 Part No. 91-001-210-1A
- GME EPIRB
- Force 10 Marine Stove
- Vitrifrigo Model ND60 ORV GR, Danfoss BD50F Compressor,
- SENTINEL GM23 gas sniffer (solenoid gas cut-off)

- 6 batteries in two banks:
  - 2 x 130 a/h for engine starting (Bank 1)
  - 4 x 230 a/h for the house (Bank 2)
- Volvo D2-40F marine diesel auxiliary engine
  - 4 cylinders
  - 40 HP
  - Salt/fresh exchanger water cooling
  - 2 x alternators (one for starting batteries, one for house & winch batteries)
  - Bosch starter and fuel injection system

- AUTOHELM “ST6000” self-steering (installed 1999)
- PAR marine toilet (manual)
- JABSCO “31750/31755”drain pump
- JABSCO 37202-2 drain pump (for shower)
- RULE 1500/2000 electric bilge pump
- 2 x Whale Gusher manual bilge pumps
- Aristocraft Dinghy 2.9
- Mercury 3.3 HP outboard
- 3 anchors: 1 x plow (35 lb), 1 x Fisherman's/Admiralty (about 35lb), 1 x Danforth
- 40 meters of 3/8” (10mm) chain: 205.6lb/93.5Kg, 131.23ft/21.87fathoms
- Spare rode has 7 meters of 3/8” (10mm) chain: 16.3 Kg.
- 1 x electric anchor winch
- 2 x S/S diesel tanks, each D=350mm H=740mm; 71 litres per tank, 142 litres total
- 2 x S/S water tanks, each h=300mm, w=450mm, l=1070mm minus 70mm x 150mm wedge along outboard length. Yields 139 litres per tank, 278 litres total.
- Full-batten mainsail in stack pack
- Roller-furler jib Profurl C420
- All New rigging (316 wire out of USA, Navtec and Gibb fittings)
- All new wire rails
- New topping lift
- New Spectron running backstays
- Sail Wardrobe: 3 Reef Tasker Main, Spare Main, Genoa, Heavy Jib, Light Jib, Staysail, MPS Spinnaker, Asymmetrical Spinnaker and Storm Trysail. All in good condition

boatservices australia

	P	S	
1	0		Engine Seacocks
2	0		Wiring Clear of eng
3	0		Wiring Appearance
4	0		Bilge condition eng room
5	0		Fuel Lines
6	0		Fuel Line Leaks
7	0		Fuel Filters
8	0		Fuel Condition
9	0		Breathers
10	N		Carburettor Cond
11	N		Choke
12	0		Plumbing Clear
13	0		Plumbing App
14	0		Steering Condition
15	0		Bilge Pump Man
16	0		Bilge Pump Auto
17	0		Bilge Pump Hose
18	0		Gas Certificate
19	0		Fire Protection
20	0		Engine Batteries
21	0		House Batteries
22	0		Engine Salt Circ sys
23	0		Circ Pump Cond
24	0		Cooling Sys Leaks
25	0		Cooling FWS
26	0		Cooling FWS Leaks
27	0		Eng Oil Cond
28	0		Eng Oil Leaks
29	0		Eng Oil Level
30	0		Engine Filters
31	0		Belt Condition
32	0		Exhaust System
33	0		Manifold / Risers
34	0		Engine Mounts
35	0		Throttles / Gearshifts
36	X		Instrument Operation
37	X		Alarm Operation
38	X		Engine at Idle
39	X		Engine noises / vibration
40	X		Engine under load
41	X		Engine WOT
42	N		Sterndrive Condition
43	N		Test Sterndrive
44	N		Sterndrive oil
45	N		Sterndrive reserve
46	N		Bellows Condition
47	N		Bellow oil / water
48	N		Unis
49	0		Anodes
50	N		Reverse Lock
51	N		Trim Ram
52	N		Tilt / Trim

	P	S	
53	N		Trim Gauge
54	0		Prop Condition
55	N		Trim Tab Operation
56	N		Trim Ram Condition
57	X		Sea Trial
58	0		Hull Leaks
59	0		Hull Damage
60	0		Top Sides
61	0		Transom
62	0		Floor
63	0		windows
64	N		Windscreen
65	N		Seats
66	N		Clears
67	X		Head Operation
68	X		Taps / Showers
69	0		Nav Lights
70	0		Anchor / Chain
71	0		Anchor Winch
72	0		Hatches
73	0		Bimini
74	0		Covers
75	N		Wipers
76	0		Rails
77	0		Cleats
78	N		Horn
Other			
79	X		Engine Room Blower
80	N		Swim Ladder
81	0		Shafts
82	0		Props
83	0		Cutlass Bearings
84	0		P Brackets
85	0		Hull Penetrations
86	0		VHF
87	0		27MHZ
88	0		Stereo
89	0		Oven
90	N		Microwave
91	0		Interior
92	0		GPS
93	0		Sounder
94	X		TV / DVD
95	0		Dinghy
96	0		Outboard
97	0		Watertight Bulkheads
98	0		Collision Bulkhead
99	0		Invertor
100	0		EPIRB
101	0		Fridge
102	N		Freezer
103	N		Ice Maker

	P	S	
104			
105			
106			
107			
108			
109			
110			
111			
112			
113			
114			
115			
Engine Block & Internals			
116	0		Operational Cond
117	0		Service History
118	0		Last Service
119	X		Cold Start
120	0		Corrosion
121	0		Oil Leaks
122	X		Noises
Engine Data			
123	X		Oil Press - Idle
124	X		Oil Press - Max
125	X		Temp - Idle
126	X		Temp - Max
127	X		Volts - Idle
128	X		Volts - Max
129	X		Gearbox Pressure
130	X		Gearbox Temp
131	X		Revs - Idle
132	X		Revs - Max
133	X		Vessel Speed
Genset			
134	N		Start and Run
135	N		Operate under load
136	N		Oil level and cond
137	N		Oil Leaks
138	N		Coolant level
139	N		General Appearan
140	N		Fuel System Cond
141	N		Fuel Leaks
142	N		Cooling System
143	N		Coolant Leaks etc
144	N		Exhaust
145	N		Cold Start
146	N		Load Temp
147	N		Exhaust Emissions
148	N		Service History
149	N		Date of Service
150			
151			

Trailer Reg		
152	N	Coupling / Chain
153	N	Tilt / Drawbar
154	N	Winch / Cable
155	N	Bow Safety Chain
156	N	Wheels
157	N	Tyres
158	N	Bearings
159	N	Brakes
160	N	Axle / Springs
161	N	Chassis
162	N	Rollers
163	N	Lights
164	N	Tiedowns
165	N	Mudguards
Sail		
166	0	Masts
167	0	Spreaders
168	0	Running Gear
169	0	Furlers
170	0	Boom
171	0	Standing Rigging
172	0	Chainplates
173	0	Mast step
174	0	Running Rigging
175	0	Deck Hardware
176	0	Sails
177	0	Covers
178	0	Fastenings
Other		
179		
180		
181		
182		
183		
184		
185		
186		
187		
188		
189		
190		
191		
192		
193		
194		
195		
196		
197		
198		
199		
200		

Compressions

1	
2	
3	
4	

5	
6	
7	
8	

Highest

Lowest

Variation

Unit 1 / 4 Flindell Street O'Connor, WA, 6163
Ph 1300 36 37 39 / Rohan 041 2662 999 / Jamie 040 2222 923

boatservices australia

No	Code	Port	Stbd	Comments

Codes:

O = No visible fault

X = The item was not checked

N = Not applicable to this vessel

M = More Information

1 = Minor item, it may be cosmetic or should be checked.

2 = A defect needing early repair.

3 = A defect requiring immediate repair.

4 = Unserviceable / Hazardous

Unit 1 / 4 Flindell Street O'Connor, WA, 6163
Ph 1300 36 37 39 / Rohan 041 2662 999 / Jamie 040 2222 923

boatservices australia

All care taken but no responsibility accepted for latent defects or for any other defects.

This report is purely for underwriting purposes and copyright subsists. It is the exclusive property of Boatservices Australia and shall not be used for any purpose other than insurance underwriting.

Surveyor AR Lewis

Date 4th February 2016

Unit 1 / 4 Flindell Street O'Connor, WA, 6163
Ph 1300 36 37 39 / Rohan 041 2662 999 / Jamie 040 2222 923

boatservices australia

Unit 1 / 4 Flindell Street O'Connor, WA, 6163
Ph 1300 36 37 39 / Rohan 041 2662 999 / Jamie 040 2222 923

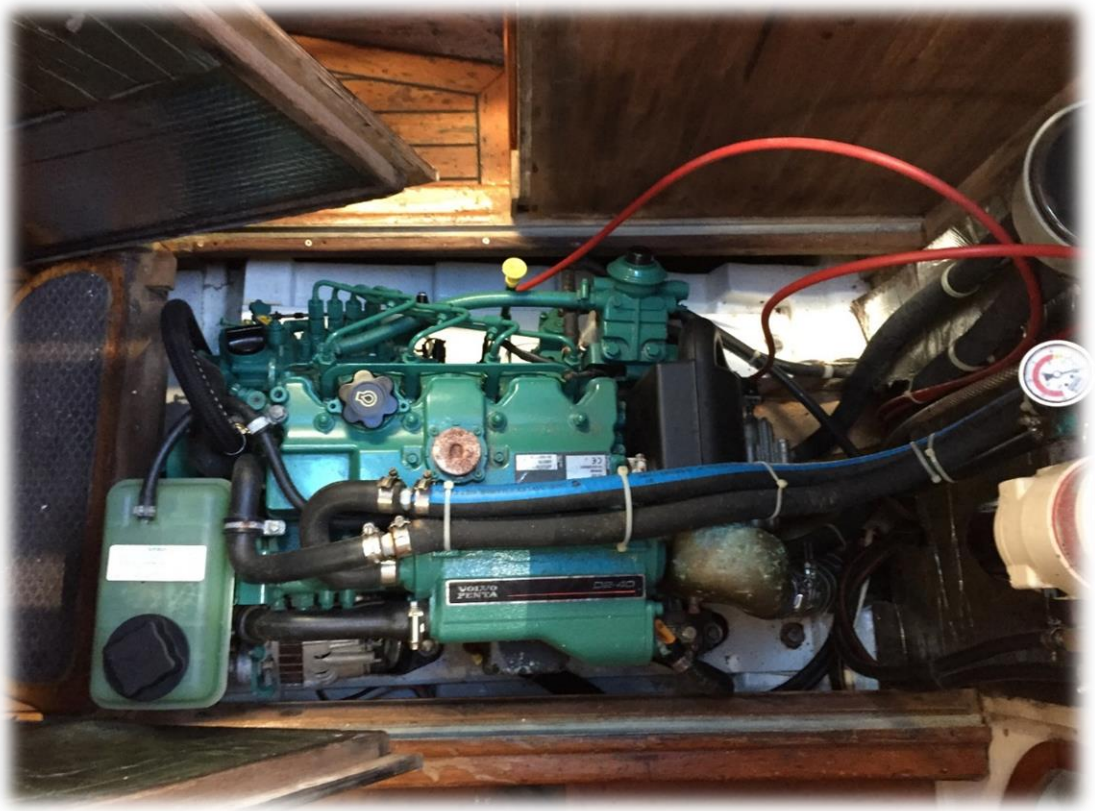
boatservices australia

Unit 1 / 4 Flindell Street O'Connor, WA, 6163
Ph 1300 36 37 39 / Rohan 041 2662 999 / Jamie 040 2222 923

boatservices australia

Unit 1 / 4 Flindell Street O'Connor, WA, 6163
Ph 1300 36 37 39 / Rohan 041 2662 999 / Jamie 040 2222 923

boatservices australia



Unit 1 / 4 Flindell Street O'Connor, WA, 6163
Ph 1300 36 37 39 / Rohan 041 2662 999 / Jamie 040 2222 923