



### Princess Approved Used Boat Programme.

This document must be completed for any boat that is to be offered for sale under the Princess Approved Used Boat Programme.

Yard number & boat name.....

HIN.....

Previous owner.....

Location.....

Date received.....

Original handover date.....

T&C Reference	Section A Service item - Boat afloat  <i>Deck equipment and below decks, propulsion engines, controls, instrumentation and associated equipment.</i>	Rework or parts required.	Sign (initials)	Date
22.0	<b>1. Bathing ladder (hydraulic)</b> Carry out full functional test and visual inspection. Check oil level / condition.			
	<b>Work required: -</b>			
	<b>2. Cathodic protection system.</b> Carry out an inspection of the connections to the anodes and bonded components.			
	<b>Work required: -</b>			
13.0	<b>3. Crane</b> Carry out a visual inspection of crane jib, cable, weight, shackle and controls. Check oil level / condition			
	<b>Work required: -</b>			



T&C Reference	Service item - Boat afloat (contd.)  <i>Deck equipment and below decks, propulsion engines, controls, instrumentation and associated equipment.</i>	Rework or parts required.	Sign (initials)	Date
22.0	<b>4. Doors (exterior), windows and hatches</b> Check for leaks and damage. Operate electric windows. Check all locks and verify all keys are present (including spares).			
	<b>Work required: -</b>			
22.0	<b>5. Drop bathing platform</b> Carry out full functional test. Check that interlocks and alarms are operating correctly. Check oil level / condition.			
	<b>Work required: -</b>			
1.0	<b>6. Engine servicing.</b> Arrange full engine, gearbox or outdrive service.			
	<b>Work required: -</b>			
	<b>7. Fire extinguishers and firefighting equipment</b> Arrange for removal and servicing or replacement of all handheld fire extinguishers. Inspect fire hoses and fittings and carry out a full fire pump (where fitted) functional test including emergency backup pump. Check operation of auto engine and (where appropriate) generator shutdown.			
	<b>Work required: -</b>			
1.6	<b>8. Fuel delivery and return hoses.</b> Carry out a visual inspection of fuel delivery and return hoses.			
	<b>Work required: -</b>			



T&C Reference	Service item - Boat afloat (contd.)  <i>Deck equipment and below decks, propulsion engines, controls, instrumentation and associated equipment.</i>	Rework or parts	Sign (initials)	Date
1.6	<b>9. Fuel tanks and shut off valves.</b> Carry out a visual inspection of fuel tanks and shut off valves.			
	<b>Work required: -</b>			
5.0	<b>10. Generator servicing.</b> Arrange full generator service.			
	<b>Work required: -</b>			
	<b>11. Inspect hull, decks and superstructure.</b> Carry out a visual inspection and arrange for polishing and waxing where required.			
	<b>Work required: -</b>			
	<b>12. Mooring warps and fenders</b> Arrange replacement of all mooring warps as required. Clean or replace all fenders as required. Replace fender ropes as required.			
	<b>Work required: -</b>			
20.0	<b>13. Passerelle</b> Carry out full functional test and visual inspection. Check oil level / condition.			
	<b>Work required: -</b>			



T&C Reference	Service item - Boat afloat (contd.)  <i>Deck equipment and below decks, propulsion engines, controls, instrumentation and associated equipment.</i>	Rework or parts	Sign (initials)	Date
17.0	<b>14. Bimini – hydraulic and manual</b> Carry out full functional test and visual inspection. Check oil level / condition on hydraulic version. Ensure that all poles and wire stays are on board and in good condition.			
	<b>15. Shaft seals.</b> Carry out a visual inspection of the shaft seals and check for raw water leaks. Ensure that the spare seals are in place in their carriers on both shafts.			
	<b>Work required: -</b>			
22.0	<b>16. Transom garage.</b> Carry out visual inspection. Carry out full functional test. Check oil level / condition.			
	<b>Work required: -</b>			

T&C Reference	Section B Service item - Boat ashore  <i>Deck equipment and below decks, propulsion engines, controls, instrumentation and associated equipment.</i>	Rework or parts required. (Y or N)	Sign (initials)	Date
6.0	<b>1. Air conditioning.</b> Carry out system winterisation or laying up procedure.			
	<b>Work required: -</b>			
11.0	<b>2. Bow and Stern thruster.</b> Carry out checks in accordance with manufacturer's extended warranty instructions. Complete and submit all relevant documents.			
	<b>Work required: -</b>			
26.0	<b>3. Fresh water system.</b> Carry out system winterisation or laying up procedure.			



	<b>Work required: -</b>			
	<b>4. Lifesaving equipment.</b> Ensure that life raft and other lifesaving equipment is removed for inspection. Carry out an evaluation of equipment to decide on suitability for serving, re-use or disposal. Ensure any certificates are available.			
	<b>Work required: -</b>			
1.0	<b>5. Oil analysis.</b> Ensure oil analysis has been carried out. Check results and detail any actions needed.			
	<b>Work required: -</b>			

T&C Reference		Rework or parts	Sign (initials)	Date
	<b>Service item - Boat ashore (contd.)</b>  <i>Deck equipment and below decks, propulsion engines, controls, instrumentation and associated equipment.</i>			
	<b>6. Raw water strainers for engines and generators.</b> Remove, clean and reinstall raw water strainers.			
	<b>Work required: -</b>			
	<b>7. Sea cocks.</b> Operate all raw water sea cock valves.			
	<b>Work required: -</b>			
23.0	<b>8. Speed log transducer.</b> Remove and clean.			
	<b>Work required: -</b>			



25.0	<b>9. Steering system.</b> Carry out visual inspection of steering system components. Check oil level and condition. Check rudder bearings for wear.			
	<b>Work required: -</b>			
24.0	<b>10. TRAC stabilizers.</b> Check oil level and condition. Check / replace shaft top bearings.			
	<b>Work required: -</b>			
16.0	<b>11. Trim tabs.</b> Carry out full functional test. Ensure that tabs operate through their full range from both stations, all components are secure and indicator lights operate correctly. Check oil level and condition.			
	<b>Work required: -</b>			

T&C Reference	Service item - Boat ashore (contd.)  <i>Deck equipment and below decks, propulsion engines, controls, instrumentation and associated equipment.</i>	Rework or parts	Sign (initials)	Date
	<b>12. Underwater appendages and antifouling.</b> Carry out visual inspection of stern gear, skin fittings, trim tabs and stabiliser fins. Renew anti fouling paint. Replace all anodes.			
	<b>Work required: -</b>			
	<b>13. Batteries.</b> Carry out visual inspection of all domestic, start and generator batteries including all cables, terminals and connectors. Carry out a battery test on all individual batteries and print or record results.			



**PrincessYachting Motor Yacht Sales  
Used Boat Programme Systems Checks.**

**Carried out by.....**

**Shore Support Checks**

No.	Check	Sign	Date
1	Connect shore support lead to shoreline 1 inlet and check power available lights and polarity light operate correctly.		
2	Select shoreline 1 on change over switch and press test button on the RCD. Check that the RCD trips.		
3	Operate the shoreline 1 circuit breaker and ensure that shoreline 1 disconnects		
4	Connect shore support lead to shoreline 2 inlet and check power available lights and polarity light operate correctly.		
5	Select shoreline 2 on change over switch and press test button on the RCD. Check that the RCD trips.		
6	Operate the shoreline 2 circuit breaker and ensure that shoreline 1 disconnects		
7	Reset shore support circuit breakers		
8	Check that shore support change over switch(es) operate correctly		

**AC / DC Panel Checks**

**Ensure correct shore support supply is connected, selected and operating prior to carrying out the following.**

<b>AC panel – Shore Line 1</b>			
No.	Check	Sign	Date
1	Check ac voltmeter is operating		
2	Switch each circuit in turn and ensure that correct device is operated.		
3	Check ac ammeter operates when devices are switched.		
4	Leave battery charger switched on		

<b>AC panel – Shore Line 2</b>			
No.	Check	Sign	Date
1	Check ac voltmeter is operating		
2	Switch each air con. unit in turn and ensure that correct device is operated.		
3	Check ac ammeter operates when devices are switched.		



DC panel			
No.	Check	Sign	Date
1	Check domestic battery dc voltmeter is operating		
2	Check start battery dc voltmeter is operating		
3	Switch each circuit in turn and ensure that correct device is operated.		
4	Check panel illumination operates correctly.		
5	Ensure battery charger is switched on and operating correctly. Switch on all interior and exterior lights and leave on for 1 hour and check that all circuit breakers remain set.		

#### **Generator checks**

No.	Check	Sign	Date
1	Start generator using remote switch		
2	Stop generator using generator panel switch		
3	Start generator using generator panel switch		
4	Stop generator using remote switch		
5	Ensure that generator exhaust is separating water and gas correctly.		

#### **AC cabin outlets**

No.	Check	Sign	Date
1	Check each socket with a Martindale tester.		





### Air Conditioning Checks

**Individual units may be run on shore support. Whole system must be run on Generator.**

No.	Check	Sign	Date
1	Turn on all air conditioning units and set to heat mode. Adjust temperature to 5°C above ambient or 20°C whichever is greater.		
2	Check all compressors for raw water leaks.		
3	Check that there is good warm air flow from each outlet (including heads).		
4	Leave running for 1 hour and check that each area comes up to temperature.		
5	Set all units to cooling mode and adjust temperature to 5°C below ambient or 15°C whichever is lower.		
6	Check that there is good cool air flow from each outlet (including heads).		
7	Leave running for 1 hour and check that each area comes down to temperature.		
8	Check that all control panels operate correctly and backlighting functions.		
9	Check that all control panels operate correctly and backlighting functions.		
10	Check for air flow in cabins and heads compartments from air outlet points.		
11	Check that air is drawing and distributing from the same cabin environment		



### Water System and Shower Checks

No.	Check	Sign	Date
1	Fill water tank and monitor gauge operation.		
2	Attach pressure gauge at a convenient point on the cold water system.		
3	Switch freshwater pump on and ensure that system pressure is as per pump label. Adjust as required.		
4	Record system pressure reading. Switch off pump, remove gauge and restore system connections.		
5	Remove and clean shower and tap debris filters.		
6	Ensure fresh water and shower discharge pumps are switched on.		
7	Operate each shower control (minimum 10 minutes) and tap in turn including cockpit. Ensure good flow and correct connection (i.e. hot and cold not reversed).		
8	Check that all sinks and shower trays drain effectively and do not leak at waste fittings.		
9	Inspect grey water boxes during operation for leaks and float switch function.		
10	Check shower compartments for leaks.		
11	Run hot water taps to empty calorifier of hot water.		
12	Turn on immersion heater and allow water to come up to temperature.		
13	Check and record hot water temperature at any tap, <b>TAKE CARE AS WATER MAY BE VERY HOT.</b>		
14	Check shower extractor fans operate correctly and quietly.		

### Domestic appliance checks

No.	Check	Sign	Date
1	Carry out a washing machine short run programme		
2	Repeat for second machine where fitted		
3	Carry out a dishwasher short run programme		
4	Check that microwave cooker operates in all modes		
5	Repeat for second unit in crew cabin where fitted		
6	Check hob operates correctly. Be sure to use correct type of pan on induction hobs. <b>Take appropriate measures to safeguard against accidents being caused when leaving hot hob surfaces unattended.</b>		
7	Check BBQ operates correctly. Ensure that safety cut-off switch operates correctly by closing the lid and checking that power is cut to the BBQ.		
8	Check operation of galley extractor fan		



### **Bilge Pump Checks**

No.	Check	Sign	Date
1	Isolate domestic batteries.		
2	Manually operate each float switch in turn. Check that pump runs and correct warning light at helm panel operates.		
3	Ensure that the alarm operates for each pump after short delay.		
4	Operate each manual switch in turn at the helm panel and verify correct pump operates.		
5	Operate manual bilge pump for each compartment in turn. Verify that the correct compartment is pumped effectively.		
6	Operate bilge pump isolation switch at (lower) helm, ensure the alarm still functions and that the bilge pumps do not run on manual or automatic.		
7	If Bilge pumps are displayed on a Boning system, ensure the correct pump shows as active on the screen graphics when tested manually.		

### **Sea Cock Checks**

No.	Check	Sign	Date
1	Verify that all sea cocks operate freely		
2	All holding tank direct overboard discharge seacock handles are removed and stowed in the flight case or secured to the side of the valve		

### **TV – DVD – CD – USB – WIFI- Fusion- Naim Checks**

No.	Check	Sign	Date
1	Identify the boats WIFI network is active via the WIFI setting on your work mobile. Log on to WIFI (if the system is an original fitted option), the password will be for example <b>princess55024</b> (no model letter required, all lower case)		
2	Using the Naim audio app identify all individual audio units on the network list, e.g., saloon, flybridge, stateroom etc.		
3	If WIFI access points are fitted ensure they are visible and a connection can be made.		
4	Select an area on the Naim app and play music through the area. (not Bluetooth).		



5	Disconnect from WIFI and connect to individual Naim devices by WIFI and play music via Bluetooth.		
6	Check all Naim remotes control the correct unit and are labelled and are synchronised to correct unite		
7	Ensure TV lifters complete full travel and ensure TV clears casing and screen is not obstructed.		
8	Verify that all TV's are tuned		
9	Check all TV's operate by remote controls		
10	Verify that the TV's have audio output to Hi-Fi system (i.e., when using TV in DTV mode sound is sent to Hi-Fi).		
11	Insert disc into each DVD player and verify operation by remote control.		
12	Tune all radios to at least one AM and one FM station.		
13	Insert CD into each CD player and verify operation by remote control.		
14	Verify that all speakers operate including cockpit and flybridge.		
15	Verify that the MP3 interface operates correctly (where fitted)		
16	Ensure that all remote controls are labelled and have batteries fitted.		

### **Toilet System Checks – electric freshwater flushing**

No.	Check	Sign	Date
1	Ensure freshwater pump and toilet circuit breakers are switched on.		
2	Using the 'fill bowl' switch introduce enough water to half fill toilet bowl in forward cabin.		
3	Using 'dry bowl' switch empty toilet bowl.		
4	Repeat steps 2&3.		
5	Using 'full flush' switch run fill and empty the toilet.		
6	Repeat above procedure for all other toilets.		

### **Holding Tank Checks**

No.	Check	Sign	Date
1	Verify that holding tank has been emptied. Check that the gauge reads empty (green light only).		
2	Fill holding tank with fresh water via dockside discharge fitting. <b>NOTE: DO NOT OVERFILL TANK AS THIS WILL DAMAGE THE BREATHER CHARCOAL FILTER</b>		
3	With the tank full ensure that the toilets will not flush.		



4	Open holding tank discharge back-up pump discharge valve.		
5	Operate manual pump or electric back-up pump until the red LED on the holding tank gauge goes off.		
6	Check for leaks on hoses and fittings during operation.		
7	Close back-up pump discharge valve and turn on main holding tank discharge pump switch to auto.		
8	On systems with automatic electrically operated valve ensure that the valve opens when the control switch is set to auto (check electric valve manual override lever has moved)		
9	Open main holding tank discharge pump discharge valve and verify that pump operates.		
9	Check that the pump running light is on.		
10	Check for leaks on hoses and fittings during operation.		
11	Before tank is empty verify that the discharge pump operates in manual mode at the main switch panel		
12	When completed close valve and isolate switches.		

### **Refrigeration Checks**

No.	Check	Sign	Date
1	Switch on all fridges, ice maker and cool boxes for a minimum of 4 hours.		
2	Check and record fridge cabinet temperatures.		
3	Ensure that compressor stops when thermostat setting is reduced.		
4	Evaluate all fridges for noise.		
5	Check that ice maker has made ice.		
6	Check that all fridge doors close and seal effectively.		
7	Ensure that all dual voltage fridges operate on DC when the AC power is dropped.		

### **Heating & Demist Checks**

No.	Check	Sign	Date
1	Set thermostat to at least 10°C above ambient.		
2	Check that exhaust outlet is not covered or obstructed and switch heater on.		
3	Check all outlets for good hot air flow.		
4	Inspect all fuel connections for leaks.		
5	Allow to run for 1 hour.		
6	Switch off heating and check system goes through shut down cycle.		



7	Check that calorifier is up to temperature, switch on demister and check all outlets for good warm air flow.		
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### **Fire Fighting System Checks**

No.	Check	Sign	Date
	<b>IF VESSEL IS FITTED WITH GAS ACTIVATED AIR VENT SHUT OFF DO NOT CARRY OUT STANDARD SHUTDOWN TEST, IN THIS CASE SEEK GUIDANCE.</b>		
1	Ensure that the override indicator panel LED's show green		
2	Start engines and generator then disconnect engine room cylinder pressure switch wires. Ensure engines and fans shut down.		
3	Go to helm panel and set control panel switch to 'Override'. Ensure engines re-start.		
4	Re-connect engine room cylinder pressure switch and turn ignition switches to the off position. Re-set panel switch to Normal.		
	<b>Note: - this does not provide evidence of system soundness for insurance purposes. This will require specialist sub-contractor certification. Verify if required.</b>		

### **Corrosion Protection**

No.	Check	Sign	Date
1	Apply wax to all exposed engine room ferrous components.		
2	Apply wax to all exposed steering system ferrous components.		
3	Apply wax to all battery terminals.		



**Fuel Transfer & Polishing System Checks (where fitted)**

**Ensure day tank is filled to maximum prior to commencing this test. Run boat with fuel transfer pumps turned off until fuel alarm is activated. Carry out the following checks: -**

No.	Check	Sign	Date
1	Pump not running alarm operates when display shows day tank level is at 75%.		
2	Commence fuel transfer in manual mode until alarm ceases to operate and check display shows 85%.		
3	Continue to run with transfer pumps turned off until pump not running alarm operates.		
4	Acknowledge alarm and continue to run with transfer pumps turned off until 'Day Tank Low' alarm operates.		
5	Display shows 20%		
6	Commence fuel transfer in manual mode until alarm ceases to operate and check display shows 30%		
7	Set pump to run in automatic mode and verify that fuel level increases and all alarms are cleared.		
8	Continue to run and monitor fuel level and verify that transfer pump cuts in when fuel level drops to 80%.		



### **Exterior, Deck Equipment & Miscellaneous Checks**

No.	Check	Sign	Date
1	Turn on and operate searchlight from both stations. Ensure light operates in the correct direction and turns off from both panels.		
2	Verify that the horn operates from both stations.		
3	Verify that the instrument lights operate from both stations.		
4	Verify that the compass lights operate from both stations.		
5	Verify that the docking lights operate from both stations.		
6	Verify that the navigation lights operate and mimics panel LED's illuminate correctly.		
7	Verify that the anchor light operates and mimics panel LED illuminates correctly.		
8	Verify that wipers operate at both speeds and park correctly.		
9	Verify that the windscreen washers operate and are correctly aligned.		
10	Release windlass clutch and operate rope winch drum.		
11	Verify that all exterior light switches operate correctly.		
12	Check correct operation of snubbing winches.		
13	Operate garage winch using hand control. Verify winch pays out and recovers correctly.		
14	Open and close electric sliding roof. Verify roof runs smoothly and quietly.		
15	Ensure safety pins are removed from all Seafire extinguishers.		
16	Check boat specification for additional items that need to be tested i.e. fresh water shore line hook up		
17	Ensure that all remote controls are labelled and have batteries fitted.		
18	Each portlight with safety switch fitted must be opened in turn to ensure that visual and audible warnings operate.		
19	Check battery terminals are tight.		
20	Ensure fuel shut off cables and valves operate correctly.		





### **Exterior Upholstery Checks**

No.	Check	Sign	Date
1	Inspect, fit and check all exterior cushions and backrests.		
2	Inspect, fit and check all sun bed cushions (includes flybridge infill).		
3	Inspect, fit and check all exterior covers.		
4	Set up and check Bimini top. Fit and check Bimini top cover		
5	Inspect, fit and check flybridge infill cushions, table and forward seat		
6	Inspect, fit and check flybridge awning and poles		
7	Inspect, fit and check foredeck table and legs		
8	Inspect, fit and check foredeck fixed awning		
9	Inspect, fit and check foredeck Dedon table		
10	Inspect, fit and check foredeck cubby backrests		
11	Inspect, fit and check foredeck cubby bases		
12	Inspect, fit and check cockpit infill for table		
13	Inspect, fit and check Dedon chairs		
14	Inspect, fit and check dinette infill cushion for table		
15	Inspect, fit and check aircon back cover with windows (V Boats with aircon fitted)		
16	Inspect, fit and check electric awning V Boats		
17	Record quantity of cushions, backrests and covers on table below		



**Record relevant information as set out in the following table.**

No.	Check	Reading	Sign	Date
1	AC voltmeter reading - Shore support 1			
2	AC voltmeter reading - Shore support 2			
3	AC voltmeter reading - Generator 1			
4	AC voltmeter reading - Generator 2			
5	DC voltmeter reading – Domestic batteries			
6	DC voltmeter reading – Start batteries			
7	Fresh water system pressure			
8	Fresh water system pressure – pump 2			
9	Refrigerator temperature - galley			
10	Refrigerator temperature – saloon			
11	Refrigerator temperature – cockpit / flybridge			
12	Refrigerator temperature – stateroom			
13	Generator hours (1)			
14	Generator hours (2)			
15	Toilet vacuum reading forward cabin			
16	Toilet vacuum reading starboard cabin			
17	Toilet vacuum reading port cabin			
18	Toilet vacuum reading owners' cabin			
19	Toilet vacuum reading crew cabin			
20	Toilet vacuum reading wheelhouse			
21	Quantity of handheld fire extinguishers checked			
22	Quantity of backrest cushions			
23	Quantity of seat base cushions			
24	Quantity of sun bed cushions			
25	Flybridge covers, record quantity			
26	Cockpit covers, record quantity			
27	Foredeck covers, record quantity			
28	Helm console cover			
29	Windscreen cover			
30	Flybridge Bimini poles, record quantity			
31	Flybridge Bimini wires, record quantity			
32	Foredeck awning and poles, record quantity			
33	Quantity of Foredeck sunbed headrests			
34	Quantity of Foredeck sunbed bases			
35	Quantity of Cockpit backrest cushions			
36	Quantity of Cockpit base cushions			
37	Quantity of Cockpit sunbed head rests cushions			
38	Quantity of Cockpit sunbed base cushions			
39	Port rubbing band to waterline measurement			



40	Starboard rubbing band to waterline measurement			
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## Equipment list.

Use the following table to provide a list of additional items on board that may be included in its sale. Please include all equipment remote controls.

[illegible]



## Rework parts list.

Use the following table to provide a list of items required for repairs and rework.

[illegible]



## Princess Approved Used Boat Programme Sea Trial

Boat \_\_\_\_\_ Yard number \_\_\_\_\_ Date \_\_\_\_\_

Master \_\_\_\_\_

Crew 1 \_\_\_\_\_ Crew 2 \_\_\_\_\_

No. of persons on board \_\_\_\_\_ Wind speed / direction \_\_\_\_\_ Sea state \_\_\_\_\_

Fuel \_\_\_\_\_ Water \_\_\_\_\_

HIN \_\_\_\_\_

Engine numbers: - Port \_\_\_\_\_ Starboard \_\_\_\_\_

### Compass Card Present YES/NO

All waterborne activities must be carried out in accordance with the Company Safety Management System – At Sea. Ensure that PMYS501 Notice to Move Document has been completed and submitted prior to departure and the required approval received.

Sea Readiness Checks		
Action	Pass	Fail
1. Initiate Seakeeper operation (where fitted).		
2. Check all port lights and hatches are securely closed and boat is secure for sea trial.		
3. Check engine & gearbox oil and coolant levels.		
4. Check that all engine mounts have lock nuts or locking washers fitted.		
5. Check engine room, lazarette and forward bilges are dry and oil free.		
6. Ensure navigation equipment settings are as per set-up sheets.		
7. Run both engines and check for leaks whilst alongside.		
8. Check gear operation forward and astern.		
9. With engines running check that steering pump activates when helm is applied		
10. Carry out low speed run, stop and check shaft logs, exhausts and engines for leaks.		
11. Check engine bay fire extinguisher system is operational and the pin is removed.		
12. Check that all exterior cushions and covers are fitted or stowed correctly.		
13. Ensure that bathing platform is fully raised and latched.		



14. Start and transfer from shore support to generator (where appropriate).		
15. Disconnect and stow shore support cable.		
16. Isolate battery charger.		
17. Carry out VHF test.		
18. If all is OK continue with sea trial.		

Lower Helm			
	Port	Starboard	Comments
Maximum engine r.p.m.			
% engine loading			
Engine oil pressure			
Water temperature			
Gearbox oil pressure			
Engine volts			
Engine hours			
Generator 1 hours			
Generator 2 hours			
Maximum speed - log			
Maximum speed - GPS			

Upper Helm			
	Port	Starboard	Comments
Maximum engine r.p.m.			
Engine oil pressure			
Water temperature			
Gearbox oil pressure			
Engine volts			
Maximum speed - log			
Maximum speed - GPS			

Action	Pass	Fail
Carry out steering checks as per instruction sheet 1.		
Check gear and throttle operation as per instruction sheet 2.		
Carry out auto pilot and radar checks as per instruction sheet 3.		
Check and adjust log reading as per instruction sheet 4.		
Carry out trim tab checks as per instruction sheet 5.		
Carry out anchor windlass checks as per instruction sheet 6.		



Confirm that engine r.p.m. is correct in accordance with PMYS514 Engine Despatch Data		
Carry out vibration evaluation at all rpm		
Re-check all bilge areas for signs of leaks.		
Check portholes for leaks.		
Operate bow thruster in each direction for one minute (with engines running).		
Operate stern thruster in each direction for one minute (with engines running).		
Repeat relevant checks at upper helm.		

### **Sheet 1 – Steering Checks.**

<b>No.</b>	<b>Check</b>	<b>upper</b>	<b>lower</b>	<b>Date</b>
1	Check amount of helm to port and starboard is equal.			
2	Check helm indicator and auto pilot rudder indicator is correctly aligned.			
3	Run boat at high speed and carry out lock to lock manoeuvre.			
4	(IPS checks) check IPS joystick steering functions correctly.			
5	Repeat for upper helm			
6	(If third station is fitted) check throttle and thruster control from third station panel.			
7	Additional interior checks whilst underway. In a safe location have a crew member check; Internal cabins, heads compartments for running creaking, excessive noise and all doors and drawers stay closed while underway.			
8	With a crew located in the forward cabin enter the boat into S turn check the bow thruster is not spinning independently (drowning)			

<b>Comments / additional information</b>



**Sheet 2 – Gear and Throttle Operation.**

No.	Check	Upper	Lower	Date
1	With synchro switched off, engage forward gears and increase engine speed to 1000 rpm. Ensure levers are aligned.			
2	Repeat above procedure at 2000 rpm.			
3	Repeat above procedure at maximum rpm.			
4	Xenta Joystick Controller. Using a fix point of reference (pontoon) activate the joystick when safe to do so. Check the joystick directional control is even. (Reference: The boat does not crab forward, sideways movement to parallel to the pontoon)			
5	Volvo Penta IPS Joystick. Check IPS docking function operates in accordance with Volvo Penta requirements. Using a fix point of reference (pontoon) activate the joystick when safe to do so. Check the joystick directional control is even. (Reference: The boat does not crab forward, sideways movement to parallel to the pontoon)			

Comments / additional information





**Sheet 3 – Auto Pilot and Radar Checks.**

No.	Check	Upper	Lower	Date
1	Run boat at approximately 25kn. Settle boat onto course and engage auto pilot. Check that boat holds its course.			
2	Introduce 90-degree course change to starboard. Settle boat onto course and engage auto pilot. Check that boat holds its course and heading corresponds to compass bearing.			
3	Ensure heading reading is correct. Adjust as per set up sheets if required.			
4	Carry out above procedure two more times until boat is back on original course.			
5	Carry out tracking check as per instruction card.			
6	Carry out radar alignment check			
7	Ensure that auto pilot deviation setting is less than 12°			
8	Ensure that data will transfer to repeater(s)			
9	While underway engage Joystick Driving mode and use the joystick to manoeuvre the boat and to control the autopilot. Whilst in Joystick Driving mode, the Autopilot becomes active on the current heading and the heading can be adjusted by twisting the top of the joystick. A short twist changes the heading by a fixed increment while a twist held firm will change the heading through several increments.			

Comments / additional information



## Sheet 4 – Log Speed Setting

No.	Check	Upper	Lower	Date
1	Run boat at 20 knots LOG GPS speed and check that log reading is the same within .5 knots.			
2	Repeat at maximum speed.			
3	If speed differs calibrate as per set up sheets.			
	(P49) With ignitions on, go to 'SETTINGS□COMMUNICATIONS□PREFERRED SOURCES' in the Glass Cockpit screen and set the preferred source for depth to the 'Airmar DST 200' transducer.			

Comments / additional information	



**Sheet 5 – Trim Tab Checks.**

No.	Check	Upper	Lower	Date
1	Run boat at approximately 25kn. Apply maximum port tab and ensure boat heels to starboard.			
2	Return port tab to minimum and apply maximum starboard tab. Ensure boat heels to port.			
3	Return starboard to minimum.			
4	(Volvo Glass Bridge) Check that the interceptor trim tabs are functioning by comparing the trim of the boat, first with the 'Trim Assist' function inactive, then inactive. A pronounced improvement in trim angles and visibility climbing on to the plane should be noticed.			

Comments / additional information	



**Sheet 6 – Anchor Windlass Checks & additional ‘At anchor’ checks.**

No.	Check	Signed	Date
1	Ensure that ‘Bitter End’ is tied off in chain locker.		
2	Position boat in approximately 10 Metres		
3	Launch anchor using foredeck remote control.		
4	When anchor has ‘set’ go to lower helm and pay out chain using lower helm control switch. Use same control switch to recover a few metres of chain. Verify switch is operating the right way round.		
5	Check loud hailer and intercom through VHF handset.		
6	With the VHF active operate the bow (stern thruster if fitted) and check for radiated noise (static) interference on the VHF at both helms.		
7	Carry out the same procedure from the Flybridge position.		
8	Check hydraulic connections for leaks and check system pressure (where relevant) is correct.		
9	Check engine room and lazarette are dry and oil free. Check sea cocks, exhausts and shaft logs for leaks		
10	Check that hot water ( <b>TAKE CARE AS WATER MAY BE VERY HOT</b> ) is available whilst at anchor.		
11	Fully recover anchor from foredeck using foredeck remote control. Verify control is operating the right way round and that anchor stows correctly.		
12	<b>If fin stabilisers are fitted.</b> Start and engage generator and set stabilisers to ‘anchor mode’ or at rest function.		
13	Check that Gyro stabiliser transfers from “At sea” to “At Rest” function and system is operating correctly		
14	Check all cabin and heads window for signs of leaks		
15	Inspect crew cabin for signs of leaks and issues caused while underway		
16	Access rudder table and inspect for salt water leaks and observe hydraulic equipment for any signs of hydraulic leaks.		
17	Access lazarette and engine room for signs of water leaks		
18	Visually inspect exhaust elbow for signs for leaks. Possible salt deposits on exterior of exhaust house.		

Comments / additional information

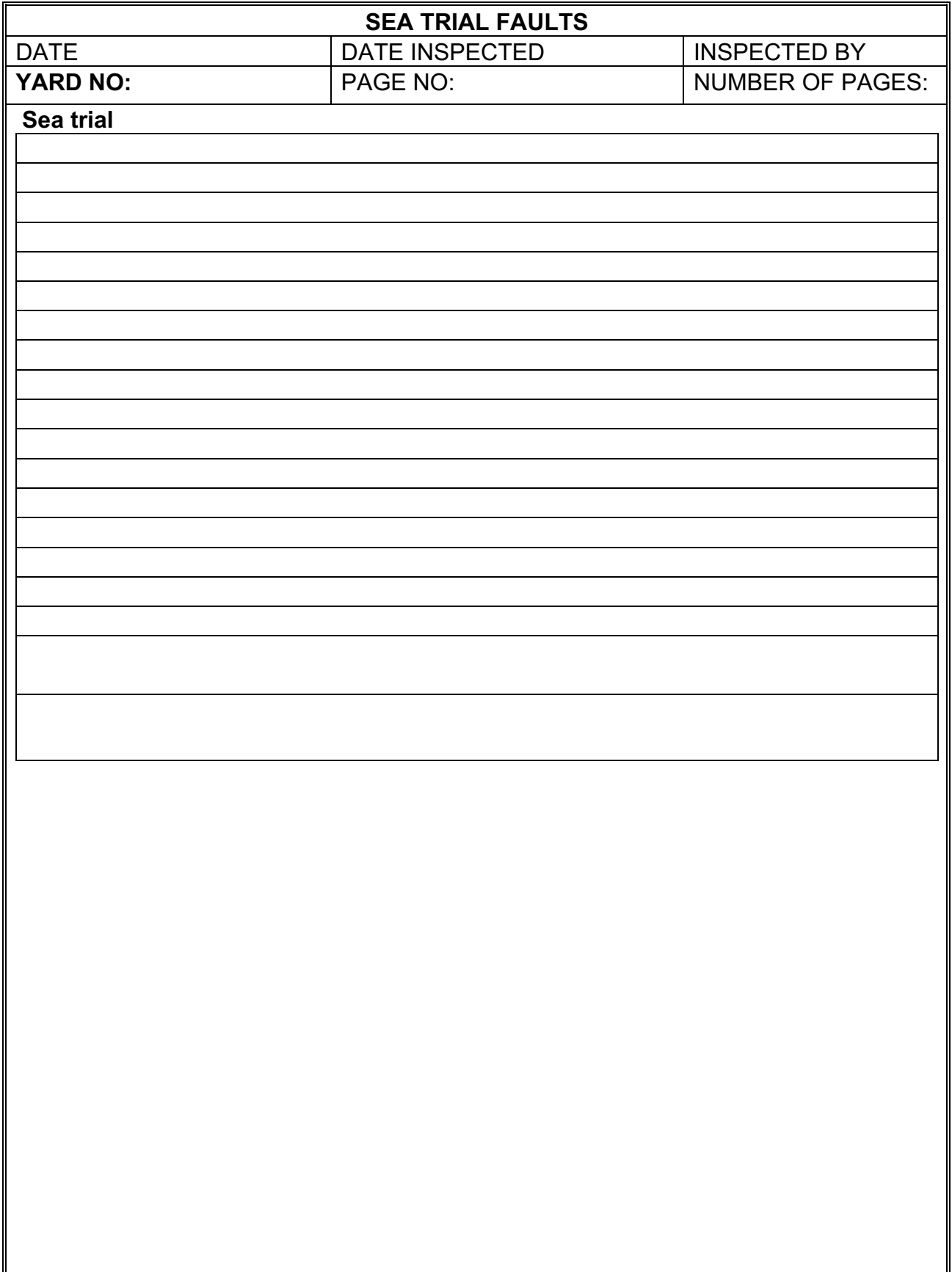


### Sheet 7 Stabiliser operation and test

No:	Check	Signed	Date
1.	Activate stabiliser system after departure from dockside.		
2	<b>(Fins)</b> When the boat's beam on to any swell proceed into gear with fins active. Note any vibration or 'fin slap' during a roll cycle. Check from lower and flybridge helms.		
3.	<b>(Fins)</b> Does the boat run level with the fins engaged all the way to max load.		
4.	<b>(Fins)</b> With the fins engaged and active add additional load to the generator (For example air-conditioning, hob, BBQ) check the system does not 'trip out' the hydraulic pump.		
5.	<b>(Fins)</b> check fin operation at anchor mode operates from engine PTO and AC motor		
6.	Check stabilisers maintain boat trim through to dispatch RPM		

Comments / additional information

Check	Sign	Date
Ensure that all defects are transferred to a single list on the next pages SEA TRIAL FAULTS		





PMYS Boat Speed & RPM Data					
	Power output				
Boat & Engine Type	Kw	HP	MHP	Despatch boat speed (kts)	Despatch engine RPM fully fuelled
<b>R35</b>					
Volvo Petrol V8	321	430	430	43-45	6000-6100
Volvo Petrol V8 (With Gyro)	321	430	430	42-44	6000-6100
<b>V40</b>					
Volvo D6	243	296	340	36-38	3440-3580
<b>V50</b>					
Volvo IPS 600	323	429	440	30-32	3580-3610
Volvo IPS 650	353	474	480	31-33	3740-3800
<b>V55</b>					
Volvo D13	735	985	1000	34-36	2440-2470
Volvo D13 (With Gyro)	735	985	1000	33-35	2440-2470
<b>V60</b>					
MAN V8	882	1185	1200	33-36	2330-2370
MAN V8 (With Gyro)	882	1185	1200	34-38	2330-2370
<b>V65</b>					
MAN V12	1029	1385	1400	33-35	2330-2370
MAN V12 (With Gyro)	1029	1385	1400	36-38	2330-2370
<b>V78</b>					
MAN V12 (With Gyro)	1398	1875	1900	36-38	2335-2370
<b>S62</b>					
MAN V8	882	1185	1200	35-37	2330-2380
MAN V8 (With Gyro)	882	1185	1200	35-37	2330-2380
<b>S66</b>					
MAN V12	1029	1385	1400	36-38	2330-2370
MAN V12 (With Gyro)	1029	1385	1400	36-38	2330-2370
MAN V12 (With Fins)	1029	1385	1400	35-37	2330-2360
<b>S78</b>					
MAN V12	1398	1875	1900	36-38	2335-2370
MAN V12 (With Gyro)	1398	1875	1900	36-38	2335-2370



<b>F45</b>					
Volvo IPS 600	323	429	440	27-29	3640-3700
Volvo IPS 600 (With Gyro)	323	429	440	24-27	3640-3700
Volvo IPS 650	353	474	480	29-32	3740-3780
Volvo IPs 650 (With Gyro)	353	474	480	28-30	3740-3780
<b>F50</b>					
Volvo IPS 800	405	542	600	33-35	3030-3060
Volvo IPS 800 (With Gyro)	405	542	600	31-34	3030-3060
<b>F55</b>					
Volvo D13	662	888	900	31-33	2340-2370
Volvo D13 (With Gyro)	622	888	900	29-32	2340-2370
<b>F62</b>					
Volvo D13	735	987	1000	31-33	2440-2470
Volvo D13 (With Gyro)	735	987	1000	30-32	2440-2470
<b>F70</b>					
MAN V12	1029	1385	1400	35-37	2330-2370
MAN V12 (With Gyro)	1029	1385	1400	35-37	2330-2370
MAN V12 (With Fins)	1029	1385	1400	34-36	2330-2370
<b>Y78</b>					
MAN V12 (With Gyro)	1324	1775	1800	35-37	2340-2370
MAN V12 (With Fins)	1324	1775	1800	34-36	2330-2360
<b>Y85</b>					
MAN V12 (With Fins)	1398	1775	1900	28-30	2335-2360
<b>X95</b>					
MAN V12 (With Fins)	1398	1775	1900	20-23	2335-2360