Name of vessel **Customer mobile No**……

At the request of :……..at……...date…….
Type of survey….pre purchase / insurance……

Limitations

time out **water** **weather** **conditions** **Other**		**Customer address**

Hull, Deck and Structure

Details of the subject vessel
Description and general details ……..
Moulding numbers ……..
HIN numbers…….
Identifying marks…….
Establish mandatory standards if any……
CE plate (new craft after 16.6.1998)……
Check Broker's details…….
Check inventory (esp expensive portable items - ……
record if not checked …..……..
Supporting invoices……..
Port of Registry……
SSR number…….
Carving Markings……
Any other identifying registration numbers…….

Dimensions approximate and not checked by measurement	
LOA	
LWL	
Beam	
Draft	
Displacement	
Ballast	
Construction material	
Distance observations. **How is the vessel shored up?** **Hogging/ sagging?** **Keel suspended or footed?]** **General view.**	

Keel **IS IT SAFE TO WORK UNDER THE BOAT?**

Weight on keel/hull deflection		
Vertical and square about the hull **Keel construction** **External weeps or stains** **Condition of keel surface** **Keelbolts / studs (modern boats)** **Internal seepage**		

External damage (encapsulated keel)		
Condition of keel root reinforcing		
Lifting keels		
Condition of the protective shoe, if fitted		
Out-of-place notes		

Hull below Waterline

Type of construction **Hull deflection** (See under keel above)		
Voids and dry areas or delamination **Signs of damage, repair**		
Stress crazing, hard spots		
Skeg where joins the hull		
Condition of gel coat or epoxy		
Moisture readings		
Scraping and sample areas. **Keel Joint** **Rudder** **P Bracket**		

The Tramex skipper 5 has a surface and a GRP setting.

Meter		**Range below waterline**		**Range above waterline**	
Calibration		**Surface**	**GRP**	**Surface**	**GRP**
Air Temp					
Surface Temp					
Humidity					

Out of place Notes	

The Sovereign moisture master uses a relative scale on the range 'A' setting and this will be transcribed using a low being 0-35, medium 36-55 and high rating 56+ on the relative scale.

Above water line	**Below water line**
Keel	**Deck**
Notes.	

4. Topsides above Waterline including Rubbing Strake etc

Type of construction		
Nature and condition of the coating		
Cosmetic condition, UV grading		
Crazing, especially around hard spots		
Tie rod/plate attachments		
Abrasion damage		
Voids and delamination		
Rubbing strake		

Deck Moulding

Type of construction					
Moisture readings					
	Shallow	Deep	Shallow	Deep	
Delamination					

Cosmetic condition		
Load bearing fittings Distortion, crazing?		
Mast step (smaller boats) **Teak overlay**		

Coachroof

Type of construction					
Moisture readings Take moisture readings all over the cored area (record if wet weather so cannot test) Suspect ingress round fittings attached after boat built. Look for crushing of core under bolts. Take readings inside the boat on deckhead (esp if screw fastened teak overlay)	**Shallow**	**Deep**	**Shallow**	**Deep**	
Delamination					
Cosmetic condition					
Damage, stress crazing					
Load bearing fittings					
Mast step (smaller boats)					
Teak overlay					
Under mast step					
Handrails					
Newbridge built yachts					

Cockpit

Type of construction	e.	

Moisture readings Take moisture readings all over the cored area (record if wet weather so cannot test) Suspect ingress round fittings attached after the boat built. Look for crushing of core under bolts.Take readings inside boat on deckhead (esp if screw fastened teak overlay)	Surface setting	GRP setting	Surface setting	GRP setting	
Delamination					
Drainage, lockers, sole panels **Slats and gratings**					
Wheel pedestal					
Cosmetic condition					
Damage, stress crazing					
Load bearing fittings					

Hull / Deck Join

Type of construction		
Movement, leaks		
Toerail		
Rubbing stakes		

Bulkheads and Structural Stiffening including Internal Mouldings

Bulkheads and partitions		
Moisture readings		
Reinforcing ie frames and stringers		
Inner mouldings		
Movement, stress cracks		

Inner moulded frames		

Out-of-place notes	

Steering, Stern Gear and Skin Fittings etc

Rudder

Type of construction		
Metal and parts		
Hangings, bolts and shoes		
Stock/blade		
Rudder tube		
Tiller and top fittings		
Top and bottom bushes		
Wheel steering gear		
Emergency tiller		

Stern Gear

Prop(s)	**No of blades Diameter_____ Couter rotation Yes ▢ No ▢ Material**	
Prop security- Nut condition/ Pink?		
Cutlass bearing		
Outboard bearing housing		
P-Bracket		
Shaft Size	**Shaft freely turning Yes ▢ No ▢**	

Material **Condition (Pitted/ Straight)**		
Rope cutter	**Yes ▢ No ▢** **Condition**	
Type and external conditional of seal		
Seal or stuffing box		
Stern tube		
Outdrives ☐ Make and model ☐ Drive condition- Blisters ☐ Bellows- Tears, clips, replaced when? ☐ Hoses ☐ Anodes ☐ Rams- seals, pitting ☐ Propellers ☐ hoses ☐ Trim tabs- anodes, rams, hydraulics ☐ Relays- working up and down? ☐ Intakes- clear? ☐ bushes/ bearings- movement on gimbal or steering pins ☐ Leaks in transom ☐ Transom kit condition- studs, mounts, water ingress? ☐ Oil condition? Bravo expansion pots?		
Out-of-place notes		

Cathodic Protection

Obvious galvanic action		
Anode studs		

Shaft anode		
Anodes		
Galvanic Isolator installed?	**YES ▢ NO ▢ UNKNOWN ▢**	

Skin Fittings and other through Hull Apertures

• **Basis of examination** • Examination from outside and inside the boat • All valves open and closed to their full extent • Any fixing bolts hammer tested where accessible • Bodies of the valves or seacocks were tested with a hammer inside the boat and the external parts hammer tested outside the boat • Fittings aggressively tested inside the boat for security in the hull • Hose clips were inspected and hoses aggressively tested for security			
Access to fittings			
Condition of fittings			
Through hull fittings			
Valves			
Hoses and clips			
Plain nylon fittings near the waterline			
Through hull fittings			

Main Companionway and Other Accesses to Accommodation

Main hatch		
Main hatch offshore vessel		
Other hatches **Hatch position** **Type and condition** **Size adequate if the escape route** **Hinges intact** **Secure method of closure provided** **Gaskets intact** **Signs of seepage**		

Ports, Windows etc

Ports		
Aluminum framed ports		
Fastenings		
Bonded ports		
Ports set in rubber		
Glazing		
Opening ports		
Leaks		

Pulpit, Stanchions, Pushpit, Lifelines and Jackstays

General security and condition	**All secure Yes ▢ No ▢ Notes**	
Pushpit	**All secure Yes ▢ No ▢**	
Pulpit	**All secure Yes ▢ No ▢**	
Stanchions	**All secure Yes ▢ No ▢**	
Lifelines	**All secure Yes ▢ No ▢**	
Lashings	**All secure Yes ▢ No ▢**	
Jackstays and attachment points	**All secure Yes ▢ No ▢**	

Rigging Attachment Points

General condition		
U-bolts		
Corrosion and seepage.		
Attachment points on deck		
Fixing nuts corrosion		
Tie rods, plates		

Forestay fitting		

Ground Tackle and Mooring Arrangements

DO NOT OVERLOOK OBVIOUS HAZARDS – YOU MAY BE HELD LIABLE IF ACCIDENT

Suitability for vessel		
Chains		
Anchors. **Size** **Type**		
Cleats and bollards		
Winches		

Other Deck Gear and Fittings

General condition appraisal		
Metal components		

Davits and Boarding Ladders

Davits		
Boarding ladders		

Rig

Spars

Basic extrusions Check for damage or distortion. Record how examined, eg on trestles. Mast joints lying tight, associated rivets and extrusion round rivets free from corrosion (many masts joined from new). Mast standing in column and undistorted? If mast is keep stepped expect corrosion at mast heel and under boot where passes through deck.	**Mast** **Boom** **Poles**	
Fittings Check all accessible fittings are secure and free from stress cracks, especially rigging attachment points		

If type of spreader socket is stainless steel tube welded to base plate riveted to mast examine welds for fatigue cracks		
Rivets and fastenings Check for undue corrosion to fastenings and aluminium around them (some inevitable with mixing of metals). Corrosion around perimeter of stainless fixing indicates worse underneath. Any perforation amounts to substantial loss of strength in extrusion wall condemn		
Anodising .		

Winches Check winches are in working order.		**Position**	**Comment**
	1		
	2		
	3		
Shrouds			

Standing Rigging

Age		
Wire		
Stress cracks.		
Rigging Articulation		
Split pins		

Terminals		
Test all terminals with Maidsure Rigtester If rigtester is not available, if the mast unstepped, bend wire to 45 degrees which leaves terminals, if fatigued may produce broken strands.		
If mast stepped are t-bar upper terminals lying in straight fair line with rigging wire? (commonly terminals do not fit in keyholes preventing this, will cause fatigue in wire after multiple slack/tension cycles, ie when rolling), remove terminals from mast and check surfaces for stress cracks, record if cannot be done		
If copper talurit type terminals, check for movement of wire within terminal. Both parts of wire must be lying in terminal parallel to each other. If end of wire has pulled into terminal, it may fail. Check for broken strands in tight turn of wire round thimble.		

Electronic rigtesting table

Terminal	**Top**	**Base**
Port main shroud		
Stb main shroud		
Port lower shroud		
Stb lower shroud		

Backstay		
Forestay		

Running Rigging

Condition General common sense sufficient. Complete? UV degrading Wear: think about chafe aloft. If halyards not properly secured (frapped), chafe is likely.		

Sails and Covers etc

• List sails with condition of each in case of later substitution • Carefully check stitch chafe damage (record random sampling only, not every seam can be checked) • Any UV degrading to headsails left on the roller? • Chafe damage to roller reefing mainsails due to friction? Roller headsails and mainsails are often examined set but beware rocking the boat in the cradle even in the modest breeze, serious damage can be done, and you would be liable		

Safety

Navigation Lights

Compliance and condition Are lights fitted sufficient to conform to regs under sail and power Approved type? Test if possible (record if not done)	**Port**	**Working ▢ Not working ▢**	
	Starboard	**Working ▢ Not working ▢**	
	Steaming	**Working ▢ Not working ▢**	
	Stern	**Working ▢ Not working ▢**	
	Anchor	**Working ▢ Not working ▢**	
	Others/ notes		

Bilge Pumping Arrangements

Compliance and condition	**Manual** **Automatics** **Locations**	

Firefighting Equipment

Compliance and condition

Location	Type and size	Extinguisher Gauge reading	Tested Y/N
		Green ▢ Red▢	**Yes ▢** **No ▢**
		Green ▢ Red▢	**Yes ▢** **No ▢**
		Green ▢ Red▢	**Yes ▢** **No ▢**
		Green ▢ Red▢	**Yes ▢** **No ▢**
		Green ▢ Red▢	**Yes ▢** **No ▢**

Smoke/Carbon Monoxide alarm working Yes ▢ No ▢

Out-of-place notes		

Lifesaving and Emergency Equipment

Compliance and condition				
	Description	**External condition**	**In date?**	
	life ring			
	Life Jackets			
	Dan buoy			

28. Engine and Installation.

For general checks use the acronym WOBBLES.
Water- Raw water cooling system
Oil- Engine oil and gear oils levels and check for emulsification if possible.
Belts- tightness and condition
Bilges- free from water? oil leaks? general internal inspection
Levels- coolant, fuel, grease, steering fluid, any other fluids- the colour of coolants
Electrics- battery terminals, secure batteries, isolators, general condition of the installation.
Steering- rams, emergency tiller, quadrants and link bars secure?

Model **Engine number**		
General description Access Overall condition Beds Mountings Cooling system Controls Transmission Exhaust Engine space insulation (fire-resistant?)		
Record of Maintenance Check invoices for engine maintenance and re-builds or recommend client checks these	**Seen ▢ not seen ▢**	
Engine running.	**Yes ▢ No ▢**	
Visual inspection		
1. Engine block and leaks		

2. Engine beds and bearers **3. Engine mounts**		
4. Hoses, clips, belts	**Belt tension and condition** **Serviceable ▢ Replace ▢** **Notes**	
5. Gearbox and shaft coupling		
6. Exhaust	**Hose Material _____** **Size_____** **Clips_____** **Outlet Scupper** **Waterlock type/construction**	
7. Asbestos		▢
Fluid Levels and condition. **Are the coolant colours correct for the brand requirements?**	☐ **Green** **Levels** **High ▢** ☐ **Blue** **Acceptable ▢** ☐ **Red** **Low ▢** **Yes ▢** **No ▢** **Unknown ▢**	

Fuel System

Fuel tank	**Stainless steel ▢** **Steel ▢** **GRP ▢** **Plastic ▢**	
Pipework and hoses	**ISO 7840 ▢**	
Shut off cock and pre-filter / separator		
Filter(s) and sight gauges		
Petrol engines		
Petrol storage and transfer		
LPG		

Accommodation General

General condition		

Linings		
Furniture		
Additional information		

Gas Installation

Item	**Result**	**Action required.** **(R) Recommendation to be carried out before use.** **(S) Suggestion only**	
Gas Certificate seen onboard?			
Condition and efficiency of self-draining bottle storage			
Age and condition of flexible hose. BS3212? **Yes ▢ No ▢**			
Age and condition of the regulator			
Condition of copper tubing where accessible		**Serviceable ▢ Poor ▢**	
Is tubing adequately supported and not under stress where accessible?	Yes ▢ No ▢		
Are all appliances fitted with flame failure devices on all burners, and did these work properly under test?	Yes ▢ No ▢ Unknown ▢		
Are any appliances requiring flues properly fitted with same?			
Is a gas alarm fitted?	Yes▢ No ▢		
Is each appliance fitted with an isolating tap	Yes ▢ No▢ Unknown ▢		
If fitted did leak bubble tester function?	Yes ▢ No ▢		

Any Other Comments		

Fresh water system

Tanks (s)	**Stainless steel ▢ Steel ▢ GRP ▢ Plastic ▢ Bladder tank ▢**	
Hoses		
Pumps		
Grey water tanks Yes ▢ No ▢		
Calorifier		

Heads and sewage

Unit **Black Water tanks installed? Yes ▢ No ▢**	**Swan Neck ▢ Non Return valve ▢ unable to verify due to access ▢**	

Electrical Installation

Ships 12 or 24v system		
1. Batteries	**Starter Information and voltage** **Domestic battery information and Voltage** **Charging voltages**	
2. Circuits		

3. Quality and condition of installation	**Professional ▢ Acceptable ▢ Poor ▢**	
240v Shorepower supply **1. Shoreside**	**240v outlets fault tested? YES ▢ NO ▢**	
2. Circuit breakers	**RCD size _____**	
3. Quality of installation	**Professional /Factory ▢ Acceptable ▢ Poor ▢**	

Electronic and Navigation Equipment

Description of item	**Condition**	**Tested? Y/N**	

Heating and Refrigeration

General quality of equipment and installation			
Description of item	**Condition**	**Tested?** **Yes ▢ No ▢**	
Refrigeration	**voltage 240v ▢ 24v ▢ 12 v ▢**	**Yes ▢ No ▢**	
Diesel heating: **Is it branded?** **Fuel hose suitable from a marine kit or to ISO 7840?**			
Diesel Heater Exhaust. **Lagged Yes ▢ No ▢** **Rotten Yes ▢ No ▢** **Secure clips Yes ▢ No ▢** **Good ventilation?**			

Is there a CARBON MONOXIDE alarm on board, particularly if diesel heaters are installed?
Be aware that there are many Chinese/ unbranded diesel heaters installed on boats and often installed with a white plastic fuel line.
Check exhaust pipe condition to see if it has not rotted away.