

# Boat Inspection Report

thatboatguy.com.au



t: 1300 824 793

3/31-33 Chaplin Drive,  
Lane Cove West Business Park



*What we check and why on a water test or static test*

We write the report and send pictures and videos via Whatsapp as we go. At the end of the inspection we email you this report, call you and go through it and the Whatsapp pics before we leave the boat.

**We encourage you to be there for the inspection if possible - you will learn a lot about the boat.**

**THE TOTAL FOR THE INSPECTIONS IS \$770 – paid on booking.** The inspection is broken into two parts - Pre-Check and Full Check. If the boat fails the pre-check we discuss with the buyer on whether to continue on or not. If not, 50% of the fee is refunded.

## Pre-Check

Items	Description
1	Pre-check Engine Oil
2	Read Computer EMM
3	Pre-check Engine PSI
4	Pre-check Trailer

## Full Check + \$385

Items	TRAILER	Comments	Pass (P) /Fail (F) / Replace / Suggested Upgrade (U)
5	Trailer Plug	Open up, inspection for corrosion \$50 to replace	
6	Tow Coupling	AU Compliant, in working order matched to trailer weight/brake system	
7	VIN plates	Is they Factory VIN plate? If not Pinks slips for rego will be a problem	
8	Chassis Stamp	If no Chassis / VIN and it goes 90 days out of rego IT CANNOT BE RE-REGISTERED IN NSW	
9	AU or US Made	Service, Maintenance, roadside assistance and Parts are much harder for US Trailers. AU Supercheap stocks parts	
10	Trailer Make/Model	Brand - are they still in business?, Parts availability, Forum "Gossip" On the brand/service/parts	
11	Safety Clip Retainer	Does is have safety clip latch and PIN - this stops trailer popping off towball and hitting car	
12	Safety Chain	Does the boat have adequate sized safety chain and shackle for boat weight	
13	Launch Retriever Brand	L+R, Retriever Mate - latches that release and allow boat to drive off and on trailer. Can it have one?	
14	Travel Chain	Chain from trailer chassis to boat so if Which post fails or your rear end someone boat doesn't fly into car	
15	Travel turnbuckle	To tighten boat down. Stops Up and down movement of boat on long trips/roller rubbing into hull	
16	Jockey Wheel	Is it correct size and move freely up/down/wheel spin and turn is it greased	
17	Winch Post & Bolts	Is it fixed correctly, not rusted, bolts ok, is there a cap? Is there water inside post?	
18	Winch man/power	Is it right size for boat, is it rusted, is the webbing/wire/dyneema/serviceable/12v plug type	
19	Spare Tyre / Age	Brand, tread isn't issue but, sidewall damage/Age are . Many Tyres are as old as trailer. 6 year replace. 10 years+ Unsafe	
20	Cross Members	Climb Under boat check for drain holes, rust, cracks, structural issues	
21	Tyres / Age	Matching Brand, tread isn't issue but, sidewall damage/Age are . Many Tyres are as old as trailer. 6 year replace. 10 years+ Unsafe.	
22	Rollers & Pins	Visual while under boat - then again if water tested looking for mis alignment/problems that could damage boat	
23	Skids	Visual while under boat - then again if water tested mis alignment/problems that could damage boat	
24	Retriever mate	Spring loaded rollers that help guide non drive on boats onto trailer Does it have one? Would boat benefit from one?	
25	Trailer Lights	Hook up to Light Tester - check all are fully functional	
26	Springs	Are bolts seized, Retaining clamps intact/leaves and leaf bolts secure	
27	Axle	Size MM 40/45/50mm / Holden/Ford /US Bearings, grease from damaged water seal	
28	Bearing Buddies	Fitted yes/no, good condition or replace, water ingress, water seal caps	
29	Play in bearings	This indicates bearing wear and/or bad adjustment. This wears our bearings. To tight burns out bearings	
30	Bearing service	Should be done Every 12 months due to UNDER use, not over use. Check service records	
31	Brake Rotors	Are they pitted? Has surface flaked off or cracked? Check records	
32	Brake Pads	Is the metal backing flaking apart, are they Stainless Steel Backed	
33	Tow Ball Weight	Measured on weight scale - should be 10% of ATM	

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Items	GVM	Comments	Pass (P) / Fail (F) / Replace / Suggested Upgrade (U)
Estimates of the below based on manufacture specs and optional extras fitted			
35	Tare Weight - Unloaded	<750kg No Brakes, 750 to <2000kg 1 braked axle / 2000kg+ 4 wheel discs + breakaway system we weigh the total rig on our portable 8T 5 point weigh scales and give digital print out of total mass as kg down force on the towball	
36	ATM = BMT + Gear		
37	GCM Max Car + BMT		
38	TBW Towball Weight		
39	GTM = ATM-TBW		
40	Road trip worthiness	Big difference from 10min to ramp or doing 110km/h Would I hook it up and drive it to Port Stephens?? Yes/No	

Items	ADR TRAILER COMPLIANCE	Comments	Pass (P) / Fail (F) / Replace / Suggested Upgrade (U)
41	Front Position (Side) Lamps	1600mm wide + 4m+ long or 1800mm+ wide	
42	Number Plate Light	Is one over the license plate	
43	Outline Lights	<6m Side Lamps Ok, 7m+ 1 every 3m from Tow hitch	
44	Wiring	Must not chaff and be secured every 600mm earth must go through plug	
45	Brake System	<750 N/A, <2000 Single Cable/Hydraulic, 2000+ 4 wheel braked/brake controller/Break away system	
46	Safety Chains	< 2500kg x1 chain over 2500 kg 2x chains yellow or green rated shackles	

Items	BOAT HULL AND FITTINGS	Comments	Pass (P) / Fail (F) / Replace / Suggested Upgrade (U)
48	Visual Walk Around	Quick Visual How does it present in real life versus its age and other of same model/pricing above or below	
49	Bowsprit	Is it secure, functional and capable of securing current anchor when travelling on water/road	
50	Chain and anchor	Is anchor right size/type for boats use, Is Chain longer than boat, is there at least 50M 10mm rode	
51	Anchor well/locker	Is drain hole fitted/working, is anchor road tie off point capable of tying off to retrieve and anchor if stuck	
52	Hull sides	Any noticeable damage? Gelcoat patch ups, spider cracks, structural damage vs cosmetic	
53	Hull undersides	Scrapes, damage, repair, patches, holes, weeping screws, impact to bottom of transom (dropped of trailer)	
54	Transom Ladder	Functional, bolts secure	
55	Transom Moisture Test	Digital reading of moisture in transom wood behind GRP 10% ok 30%+ bad (doesn't mean fatal)	
56	Extras	Optional extras that aren't factory standard the good/the bad/the ugly/the unfunctional	

Items	BOAT INTERIOR	Comments	Pass (P) / Fail (F) / Replace / Suggested Upgrade (U)
57	Carpet	Factory or replaced? Is backing coming away from carpet. Is it High quality? Will stains come out	
58	Seat box	Is it secure? Cracked? Mould smell inside? Are hinges for seats/pedestals safe? If not 100% secure you could fall backwards and break your neck	
59	Seat Pedestal Mounts	Are they secure/any loose? Does the floor beneath secure. If these fail you will fall backwards and could break your neck	
60	Seats & Upholstery	factory?, Age? Is the Stitching or vinyl failing/cracked? Detail test section on worst section? How will they come up in detail	
61	Bait tank	Capacity, drainage, true live bait pump or bilge pump, saltwater pickup? How main livies could it hold?	
62	Hatches	Secure, check for water inside/mould smell, cracks	
63	Drink Holders	How many and where	
64	Rod Holders	How Many, are they in the right place for fishing at anchor, trolling or downrigging	
65	Mould and Damp	Overall - has the boat been well stored, ventilated and dry?	
66	Clears	Estimated age / are they usable at night? Or are they past service and only good for storage	

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Items	BOAT INTERIOR	Comments	Pass (P) / Fail (F) / Replace / Suggested Upgrade (U)
67	Camper/Storm Cover	Does the boat have a cover that cover back half of cabin boat for sleeping, driving in rain or storage	
68	Boat Storage Cover	Does boat come with all over cover. What type and what does it cover	
69	Targa Top - Mounts	Are they fixed correcting through hull, no visible cracks or failed welds , wont move in travel	
70	Targa Top - Canvas	Age, Condition, and tears? Can it be refurbished or repaired or does it need replacing	
71	Travel Cover	Does the boat (bowrider/runabout) have travel cover. Is it useable? Does it have functional securing points	

Items	SAFETY EQUIPMENT	Comments	Pass (P) / Fail (F) / Replace / Suggested Upgrade (U)
72	Lifejackets	Amount & Type - Note we Recommend all Owners buy Quality Auto Inflate Jackets such as BURKE	
73	Flares	In date, correct for intended use of boat 2 orange 2 red	
74	EPIRB	EPIRB – 406 MHz Must be registered with AMSA and not expired. Required for Offshore	
75	Emergency Horn	Audible signal for emergencies	
76	V Sheet	For placing on water in emergency On boat? \$10 for a new one	
77	Mirror	In emergency to signal others by flashing mirror \$10	
78	Water	2 Litres per person on board. Where will this be stored?	
79	Compass	Must be Fluid filled and magnetic.	
80	Marine VHF Radio	1x VHF and antenna test functional via Radio Check	
81	Bail Bucket & Lanyard	Bucket with cord attached	
82	Bilge Pump	Electric or Hand pumped bilge	
83	Safety Label	RMS Issued Safety Label	
84	Waterproof torch	Does it have Dolphin LED Waterproof Torch and spare battery?	
85	Charts	You Need a Paper or Digital Chart on your MFD or app on your phone	
86	First Aid Kit	Marine Use first aid kit	
87	Tool Kit	Basic Tool bag contents sprayed with inox Screw Drivers, Cable Ties, Adjustable Spanner, Electrical Tape	
88	Twin & Batteries Switch	All non pull start boats need to have 2x batteries correctly rigged	

Items	ENGINE	Comments	Pass (P) / Fail (F) / Replace / Suggested Upgrade (U)
89	Visual Inspection Ext	Relative to its age, Is it scratched up, been on mooring, UV damage to stickers, Skeg chipped	
90	Visual Under Cowling	Relative to its age, Has it been loved and bathed in INOX or is it full of green corrosion and salt	
91	Cowling and Paint	Relative to its age, is it cracked, faded, missing clips, chipped, been dropped, foam disintegrating	
92	Anodes	Do they need replacing at next service	
93	Gear Oil	Is it blue/gold - new? Brown- Need changing? Black and burnt - unserviced? Milkshake - Seal gone? Clear Water Rebuild!	
94	Spark Plugs	Check for consistency in wear	
95	Skeg	Is it cracked? Doe sit look like its been repaired	
96	Hydrofoil	is it common Permatrim/SE300 Sport? Is it mounted correctly and no cracks in cavitation plate	
97	Under Cowling In-depth	Check connections, battery lead terminations, any melted parts/cracked lines/missing parts/cut wires/missing sensors	
98	Starter Motor	Is it greased? Does the Bendix lift up and fall back into place	
99	Start test*	Start engine 10 times, compare start 1 to start 10. On carby How long to start, warm up and then Compare Start 1 to 10	
	Water Pump*	Does it pump water in test tank or on water test. Does it overheat after 10 mins @ 2500RPM+	
100	Charge Circuit	Electronic Test that circuit exceeds 13v+ when engine is running - <13V means battery is not properly charging	
101	Steering cable*	Is it greased? Turn full lock each way several times, compare effort required port vs starboard	
102	Steering Hydraulic	Turn wheel by finger port vs starboard, leaks behind helm, leaks at bullhorn on engine. Check ram rod for scratches	
103	Tilt Trim	Leaks at rams, does it hit bait board? Do throttle and cowling switches work, does it struggle? Is there noise/low fluid	

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Items	ENGINE	Comments	Pass (P) / Fail (F) / Replace / Suggested Upgrade (U)
104	Propeller	Record Pitch and size if stamped, stainless or aluminium, chips cracks? Is it servicable? Is there spare?	
105	Shaft Seals/Fishing line	Is there oil leaks or signs of fishing line (take prop off if possible)	
106	Transom Mounts	Are they sunken in? Signs of Transom issues crazing, cracks, tea staining	

Items	EMM DIAGNOSTICS REPORT -EMM FUEL INJECTED	Comments	Pass (P) / Fail (F) / Replace / Suggested Upgrade (U)
We Hook Up Honda, Evinrude, Suzuki, Yamaha, Mercury, Tohatsu, Volvo Penta and Mercruiser You are given factory style Diagnostics reports of engine hours, EMM hours. Max Temp and Fault Codes			
108	Active Faults	TPS, O2, CPS, Oil Pressure & other sensors are all common faults in 5+ year old motors & need to be replaced	
109	Stored Faults	These have occurred in past, are not a current issue and will show how many hours ago but may come	
110	Historic Faults	Some EMM store all faults, even cleared/historic	
111	Max Temp	IMPORTANT 100C+ blockage in system or stuck thermostat could be fatal engine rebuild	
112	Max Temp Port Side	IMPORTANT 100C+ in one side of V4 or V6 - blockage in system or stuck thermostat could be fatal engine rebuild	
113	Max Temp Star Side	IMPORTANT 100C+ in one side of V4 or V6 - blockage in system or stuck thermostat could be fatal engine rebuy	
114	EMM Max Temp	If EMM is water cooled, and hasn't had water flow it could be fatal in the short term	

Items	COMPRESSION TEST PSI	Comments	Pass (P) / Fail (F) / Replace / Suggested Upgrade (U)
Looking for even PSI across all 2-8 Cylinders ideally less than 5% motor <10 Years / Max 10% in any motor			
115	Cylinder 1	1. Checking That engine doesn't have zero compression/less than 100 PSI	
116	Cylinder 2	2. We Have both Digital and Analogue Testing Equipment	
117	Cylinder 3	3. We are looking of out of spec readings caused by damaged bores, stuck/broken rings, stuck valves	
118	Cylinder 4	4. We Check Engine Oil if Milky Oil Customer Called then Compression test if Low Compression Customer Called	
119	Cylinder 5		
120	Cylinder 6		
121	Cylinder 7		
122	Cylinder 8		
123	Compression Overview	Digital readout or analogue PSI numbers depending on engine	
125	Inboards	Are not designed for Saltwater like an outboard. Servicing and maintenance records are super important	
126	Pulleys	Are pulleys, bearings, spacers, bolts all moving and smooth or rusted, frozen or rough surface	
127	Belts	What is state of belts? Check service records	
128	Sea pump	On Bravo Legs sea pump is a consumable item wear plate/impellor	
129	Leaks	Is there rust staining from leaking cooling system - If Saltwater has gone onto starter/alternator/pulleys they may need replacing	
130	Mounts	Visually do the engine mounts look solid	
131	Manifold Age	Max life in Salt water 5-7 years. Cost is like 100k Service on Car - If they are due cost needs to be considered in buy price	
		Outboard Cooling System overhaul Kit is \$200 every 5-10 years and adds very little to labour costs	
		Inboard V8 equivalent Basic Colling System overhaul kit \$2800 + labour + gaskets + replacing other rusted/ faulty parts	
		So you can see the importance of service records - if a V8 Manifolds are 5+ Years Major service is \$5k versus \$1000 for yearly	

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Items	ELECTRICS	Comments	Pass (P) / Fail (F) / Replace / Suggested Upgrade (U)
132	Battery Start 1	Digital Printout report and load test. Check Terminals Check age. 5+ years needs replacement	
133	Battery Start 2	Digital Printout report and load test. Check Terminals Check age. 5+ years needs replacement	
134	House Deep Cycle	Digital Printout report and load test. Check Terminals Check age. 5+ years consider replacement	
135	Nav Lights	Working , Are they LED? In correct Position?	
136	Anchor Light	Working, LED , in correct position i.e. visible 360 around the boat even when Canopy is up	
137	Bilge Pump	Is it working, is it auto? Does it works automatically if power switched off?	
138	Bait Tank Pump	Check if working and visual inspection of plumbing	
139	Bait tank pickup	Does it have one to keep live bait alive whilst travelling	
140	Interior Lighting	LED? Is it useable? Are there better options	
141	12V/USB Power Outlets	Check if working and visual inspection of water ingress/wiring if possible	
142	Anchor Winch	Make/Model/Test up/down switches, check manual override and tools	
143	Invertor	Check if invertor fitted, correct wiring, fused, on switched power	
144	Dash Lights	Working/dimmable	
145	Squid Lights	If fitted - test colour/position/brightness	
146	Deck/Floor Light	If fitted - test colour/position/brightness	
147	Targa/Flood Lights	If fitted - test colour/position/brightness	
148	Spot Lock Motor	Test functions/remote/cabling	
149	Spot Lock Deep Cycle	Load test if 12V - Voltage test if 24/36v	
150	Spot Lock Charger	Test functions and charging options. Does it charge whilst engine running	
151	Spot Lock Bracket	Is it secure? Factory or aftermarket	
152	Solar Panels	Check Output	
153	Solar Regulator	Check input/output - if none fitted, quote	
154	Gauge - RPM	Check if working - if not check rectifier	
155	Gauge - Speed*	Check if Pitot tube is functioning	
156	Gauge - Fuel	Check if working when ignition on	
157	Gauge - Trim	Check up/down when ignition on	

Items	ELECTRONICS	Comments	Pass (P) / Fail (F) / Replace / Suggested Upgrade (U)
158	Multi Function Displays	Turn on , check updates and buttons are all working, Check issues with screen	
159	NMEA Engine Link	IF NMEA equipped sounder is it linked to engine.	
160	Transducer	Showing Temp / working	
161	Marine Audio	Test head unit and speakers and roughly how old	
162	27Mhz	Check if fitted	
163	VHF	Check and send test call to Marine Rescue	
164	Auto Pilot	If installed is it coming up on the NMEA screen	
165	GPS Antenna	Check antenna is mounted	
166	VHF/AM/FM Antenna	check base and arial for cracks	
167	Security/Tracker/ Alarm	Test if fitted	

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Items	TRAILER ROAD TEST	Comments	Pass (P) / Fail (F) / Replace / Suggested Upgrade (U)
168	Noise	Is there grinding sounds	
169	Brakes	Are brakes activating	
170	Bearings	bearing show any noise/heat up when moving	
171	Overall	Does it brake well	

Items	WATER TEST	Comments	Pass (P) / Fail (F) / Replace / Suggested Upgrade (U)
172	Launch	Is boat easy for 1 person to manage?	
173	Start Cold	Did it start instantly with no smoke	
174	Start Operating Temp	Was engine hit when we started ? Why?	
175	Idle Cold	Is it smooth and quiet	
176	Idle Operating Temp	Did it reach manufacturer spec for ide temp	
177	Engine Temp Max	Under load does the temp spike?	
178	Key switch	is it firm and secure? Age? Should it be replaced?	
179	Throttle shift	Is it easy to shift in and out of gear?	
180	Shift noise	Any clunks or noises?	
181	Water Pump Indicator	Is engine pumping water	
182	Engine Performance	Is it quick to plane and smooth?	
183	DST Dead Slow Troll	Does it run well at troll speed? Stay on course/hold revs	
184	No wake 4 Knots	Bumping up the throttle does it still Stay on course/hold revs	
185	Cruise	4200-4800 how does it run and the Speed	
186	WOT Wide Open Throttle	Does its reach Manufacturers RPM for WOT	
187	Planning	How easy does the boat plane and stay on plane	
188	Hard stop then Plane	Checking in an emergency stop does boat have any issues engine or hull?	
189	Hard stop then reverse	Same as above but going into reverse	
190	Hard to Port	Does it list or have issues	
191	Hard to Starboard	Does it list or have issues	
192	Steering	Is	
193	20 mins Test / 5 Km		
194	5 Minutes at WOT		
195	Retrieve onto trailer		

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Items	STATIC TANK TEST	Comments	Pass (P) / Fail (F) / Replace / Suggested Upgrade (U)
If we cant water test, we will take a test tank with us for the inspection			
197	10mins @ Idle	Does it overheat?	
213	Serial Numbers		
214	Engine Model		
215	Engine Year		
216	Engine Serial		
217	Boat Make		
218	Boat Model		
219	Boat Year		
220	Boat HIN		
221	Boat Rego		
222	Boat Rego Exp		
223	Trailer Model		
224	VIN		
225	Rego No		
226	Trailer Rego Exp		
227	Construction		

Items	GENERAL	Comments
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