


Results of Sea Trial

Date:	21-Aug-14	Place:	Pine River, Brisbane QLD		Name:	Glenn Gibson & Brett Hampson					
Boat:	Baysport Sports 5.85		Engine:	F100DET X		Conditions:	Small river cop, increasing tidal flow				
BB:	Baysport		Serial No:	1023699		Weather:	Partly cloudy, isolated showers				
Max Ave Speed:	62.65	Km/h	Output:	73.6 @ 5500	kW/Rpm	Wind Direction:	SSE				
Max RPM Achieved:	6100	RPM	Prop DxP:	13 x 17		Wind Velocity:	17.0	Knots			
Max Horse Power	150	HP	Prop Type:	Black S-Steel 688 Series		Temperature:	22.2°	Deg C			
Max Transom Weight:	240	Kgs	Weight:	173	Kgs	Humidity:	57.0	%			
Displacement:	830	Kgs	Gear Ratio:	2.27	(25/11)	Sea Water Temp:	20.9°	Deg C			
Fuel/tank size:	145	Litres	Prop Pt #	688-45930-02		Pressure:	1019.8	Hpa			
Eng Height:	# 2 Hole		Alt Output:	25	Amps	Max. Fuel Consumption:	38.10	L/h			
			Crew:	2	Persons	Fuel:	145	Kgs			
			Crew Wt:	200	Kgs	Stores: (Tools)	Incl	Kgs			
			Hull + Eng:	1,003	Kgs	Other: (Water)	Incl	Kgs			
L.O.A. =	5.85M	Beam =	2.45M	Safety Kit:	Incl	Kgs	Approx Total:	1,348	Kgs		

Test	Engine Trim	Direction	RPM	Speed Km/h	Fuel L/h	Av Speed		Av Fuel Consumption		Kms per Litre	Av N.mpg	N.M. per Litre	Range in Kms*	Prop Slip
1	0 Trim	W	700	3.00	1.00	4.20	Km/h	1.05	L/h	4.00	9.79	2.16	551	47%
2	0 Trim	E	700	5.40	1.10	2.26	Knots	0.23	G/PH					
1	0 Trim	W	1000	7.40	1.70	6.35	Km/h	1.75	L/h	3.63	8.88	1.96	500	44%
2	0 Trim	E	1000	5.30	1.80	3.42	Knots	0.39	G/PH					
1	0 Trim	W	1500	7.80	2.60	8.70	Km/h	2.60	L/h	3.35	8.19	1.80	461	49%
2	0 Trim	E	1500	9.60	2.60	4.69	Knots	0.57	G/PH					
1	0 Trim	W	2000	11.90	4.00	11.00	Km/h	4.15	L/h	2.65	6.49	1.43	365	52%
2	0 Trim	E	2000	10.10	4.30	5.93	Knots	0.91	G/PH					
1	0 Trim	W	2500	13.00	7.00	12.10	Km/h	7.05	L/h	1.72	4.20	0.93	236	58%
2	0 Trim	E	2500	11.20	7.10	6.52	Knots	1.55	G/PH					
1	0 Trim	W	3000	16.80	9.50	15.70	Km/h	9.60	L/h	1.64	4.00	0.88	225	54%
2	0 Trim	E	3000	14.60	9.70	8.46	Knots	2.11	G/PH					
1	0 Trim	W	3500	27.20	11.60	27.15	Km/h	11.65	L/h	2.33	5.70	1.26	321	32%
2	0 Trim	E	3500	27.10	11.70	14.63	Knots	2.57	G/PH					
1	0 Trim	W	4000	34.80	14.00	35.30	Km/h	14.00	L/h	2.52	6.17	1.36	347	23%
2	0 Trim	E	4000	35.80	14.00	19.03	Knots	3.08	G/PH					
1	0 Trim	W	4500	44.10	17.60	43.10	Km/h	17.85	L/h	2.41	5.91	1.30	333	16%
2	0 Trim	E	4500	42.10	18.10	23.23	Knots	3.93	G/PH					
1	¼ Trim	W	5000	48.30	22.80	49.10	Km/h	22.95	L/h	2.14	5.24	1.15	295	14%
2	¼ Trim	E	5000	49.90	23.10	26.46	Knots	5.06	G/PH					
1	½ Trim	W	5500	53.60	27.50	55.25	Km/h	27.55	L/h	2.01	4.91	1.08	276	12%
2	½ Trim	E	5500	56.90	27.60	29.78	Knots	6.07	G/PH					
1	¾ Trim	W	6000	61.00	35.50	60.35	Km/h	35.80	L/h	1.69	4.13	0.91	232	12%
2	¾ Trim	E	6000	59.70	36.10	32.53	Knots	7.89	G/PH					
1	¾ Trim	W	6100	63.10	38.00	62.65	Km/h	38.10	L/h	1.64	4.02	0.89	227	10%
2	¾ Trim	E	6100	62.20	38.20	33.77	Knots	8.39	G/PH					

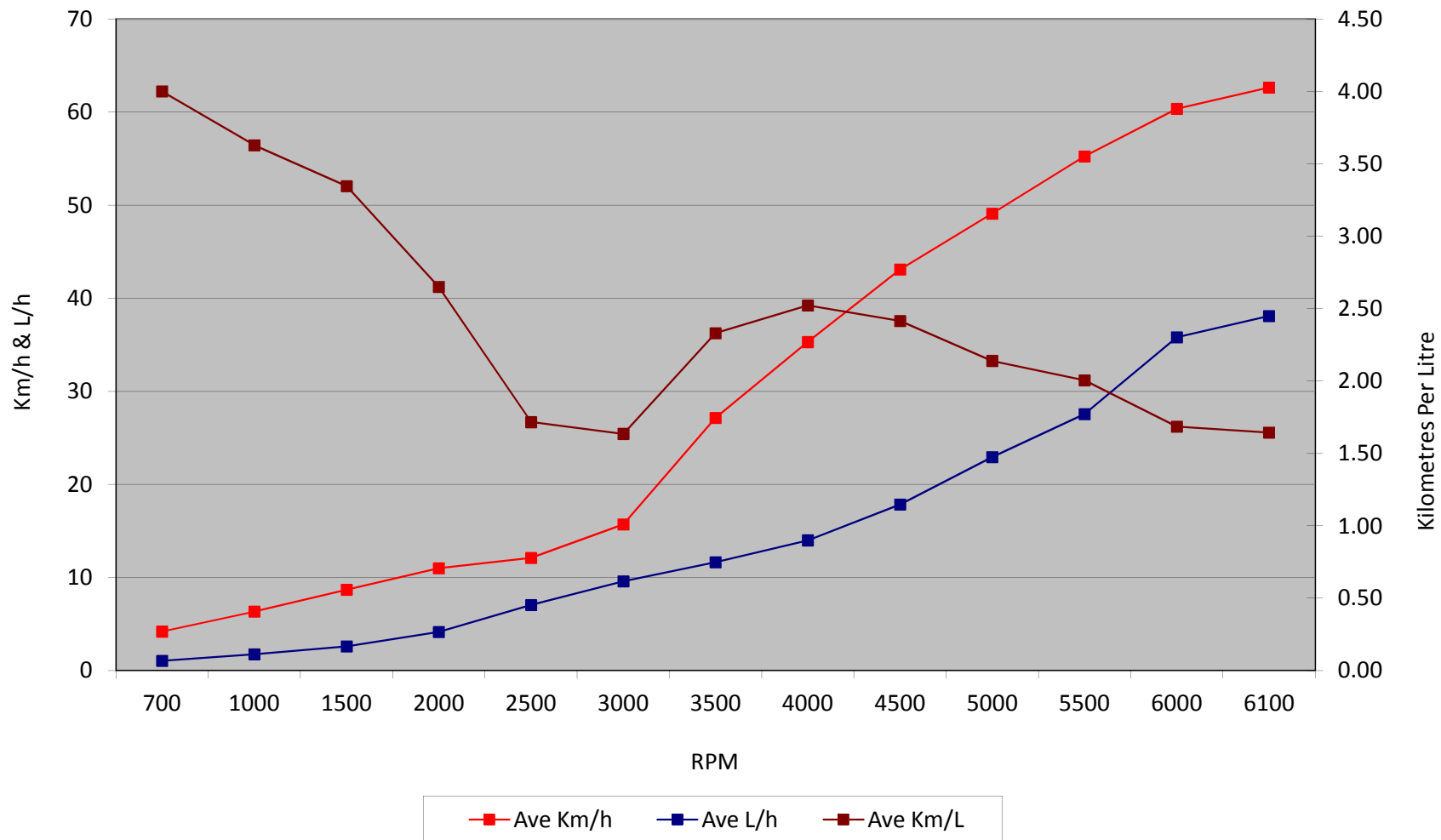
Turning: Turns good, no noticeable changes required. Small amount of spray at negative trim angles.

Comments: Test 2 of 4. F100DET X on new model 5.85 Baysport usually powered with F115, prop tested boat to achieve best results.

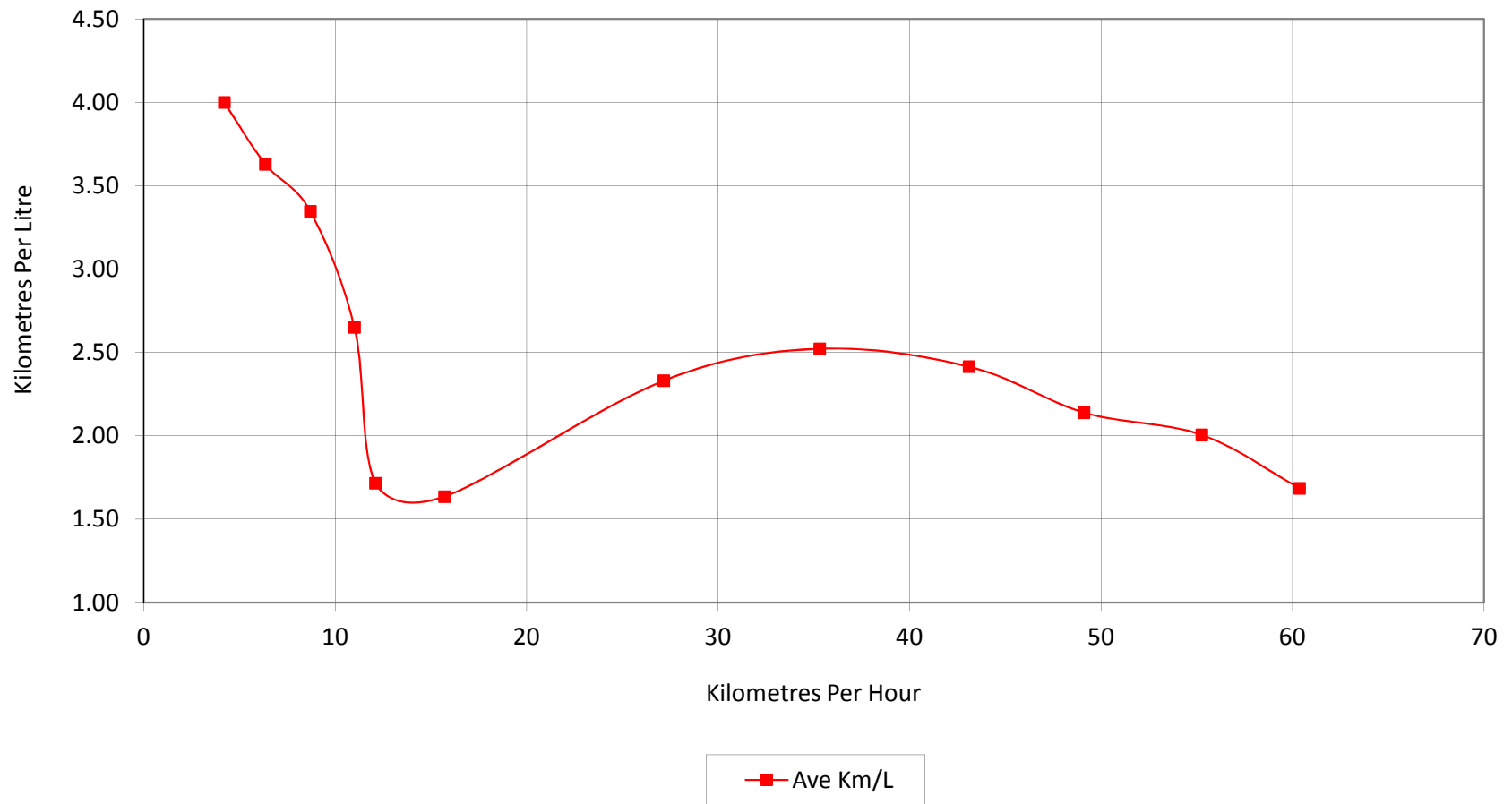
*** Range in km's = 95% of fuel tank capacity**

Data may vary due to changes in weather, tides, boat load, hull and prop conditions, temperature, atmospheric pressure and wind direction. Fuel data gathered with Yamaha Fuel Management Gauge (non-calibrated). Speed data gathered with GPS receiver. Yamaha Motor Australia accepts no responsibility for the accuracy of these readings. All test data is recorded with the engine fully trimmed in (-4) until 5500 Rpm, where possible.

Bay Sport Sports 5.85 w/ F100DETX 13 x 17" K Black S-Steel 688 Series



Bay Sport Sports 5.85 w/ F100DETX 13 x 17" K Black S-Steel 688 Series
Boat Speed With Best Kilometres Per Litre



Bay Sport Sports 5.85 w/ F100DET 13 x 17" K Black S-Steel 688 Series
Acceleration Graph, Speed Over Time

