



PURSUIT ENGINEERING

Boat Performance Test

Test Title: C5 - Twin Yamaha 150hp Four-strokes

Boat Model: 2570 Center Console

Hull #: C5101

Engine Model/HP: F150TXRD / 150hp

Propeller: 14-1/2 x 19 T-Series

Gear Ratio: 2

Weight as Tested: Dry=4,600,Fuel=875,Water=166

Personnel=330,Gear=100,**Total=6,071lbs.**

Load: Fuel=140gal.,Water=20gal.

T-top Laced, No bottom paint

Test Date: October 26, 2004

Tested By: E. Hess, C. Feinauer

Test Location: S. Indian River

Air Temp: 81°

Water Temp: 78°

Wind MPH/Direction: 5-10mph / NE

Water Cond: Lt. Chop

Fuel Capacity: 150 Gallons

Operating range: 5000 - 6000 rpm

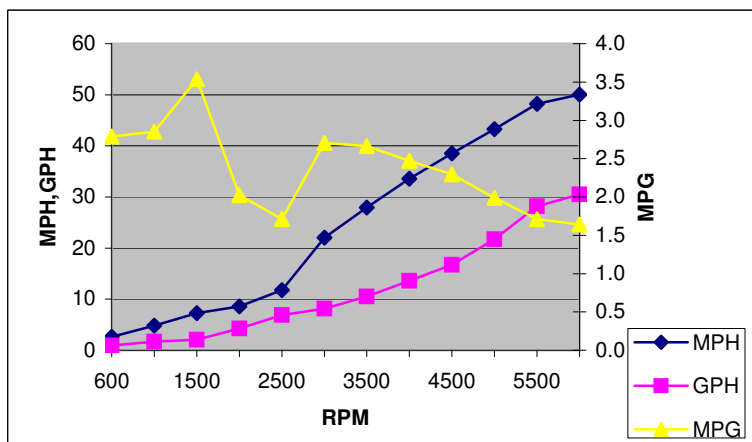
Direction: N						Direction: S				Averages			
RPM	TRIM°	MPH	GPH	dB	RUN °	MPH	GPH	dB	RUN °	MPH	GPH	dB	RUN °
600	-5.0°	1.9	0.9	55	0	3.4	1.0	57	0	2.7	1.0	56	0
1000	-5.0°	4.2	1.6	62	0	5.5	1.8	64	0	4.9	1.7	63	0
1500	-5.0°	6.8	2.1	66	1.5	7.7	2.0	67	1.5	7.3	2.1	66.5	1.5
2000	-5.0°	8.1	4.1	69	4	9.1	4.4	70	4	8.6	4.3	69.5	4
2500	-5.0°	11.1	6.7	74	6	12.5	7.1	74	6	11.8	6.9	74	6
3000	-5.0°	21.9	7.8	78	5	22.2	8.5	78	5	22.1	8.2	78	5
3500	-4.0°	27.2	10.0	78	3	28.7	11.0	79	3	28.0	10.5	78.5	3
4000	-3.0°	33.4	13.5	80	2	33.8	13.7	81	2	33.6	13.6	80.5	2
4500	-1.5°	37.9	16.3	82	1.5	39.1	17.2	83	1.5	38.5	16.8	82.5	1.5
5000	+1.0°	43.0	21.5	84	1.5	43.5	22.0	86	1.5	43.3	21.8	85	1.5
5500	+3.5°	48.1	28.0	86	1.5	48.4	28.4	88	1.5	48.3	28.2	87	1.5
5800	+6.0°	49.8	30.4	91	2	50.3	30.6	92	2	50.1	30.5	91.5	2

0 to 30 mph Acceleration = N/ 8.4 N/ 8.0 S/ 7.8 S/ 7.6 --- Avg. 8.0 sec.

Emergency return to port w/single outboard performance = 28mph @ 4300 rpm

Fuel Economy Data

RPM	MPH	MPG	RANGE*	%SLIP
600	2.7	2.79	377	20.4
1000	4.9	2.85	385	18.5
1500	7.3	3.54	477	18.6
2000	8.6	2.02	273	20.9
2500	11.8	1.71	231	19.1
3000	22.1	2.71	365	12.2
3500	28.0	2.66	359	11.3
4000	33.6	2.47	334	10.7
4500	38.5	2.30	310	10.5
5000	43.3	1.99	268	10.4
5500	48.3	1.71	231	10.3
5800	50.1	1.64	222	10.4



*Range based on 90% of total fuel capacity