

# 5800 Sovran

## Triple Volvo® IPS600 Diesels, 435hp



### PERFORMANCE REPORT

Date tested: 2/21/2008 Test Engineers: Mike Ward & Evan Dufendach

Hull Number: SSUMB002E708  
 Location: Tampa Bay, Anna Maria, FL  
 Weather: Wind SE @ 10 mph, Seas less than 1 ft.  
 Water / Air Temp: 66 / 80

Propeller: Volvo IPS T4  
 Gears/Gear Ratio: IPS B / 1.82:1  
 Fuel Capacity: 650 gallons  
 Fuel/Water/Waste: 100%/100%/100%  
 People on Board: 2 people  
 Gear on Board: 750 lbs. includes people & gear

#### PERFORMANCE SUMMARY:

Acceleration: 17.9 seconds to 3000 RPM (30 smph) / 24.7 seconds to 3295 RPM (35 smph)  
 Optimum Cruise Speed: 30 mph @ 3000 RPM / 35.1 mph @ 3300 RPM  
 Range at Optimum Cruise: 395 / 384 Statute Miles

RPM	MPH	Knots	GPH	Statute MPG	Nautical MPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	4.8	4.1	1.1	4.60	4.00	58	0.5	2691	2338
995	7.7	6.7	2.4	3.22	2.80	59	0.8	1884	1637
1500	10.6	9.2	9.0	1.19	1.03	60	1.8	695	604
2000	13.6	11.8	20.9	0.65	0.57	64	4.8	381	331
2205	17.3	15.1	24.3	0.72	0.62	65	4.5	419	364
2405	20.7	18.0	28.5	0.73	0.63	68	4.5	425	369
2605	23.9	20.7	34.0	0.70	0.61	68	4.5	411	357
2795	26.9	23.4	40.0	0.67	0.59	67	5.0	394	342
3000	30.0	26.0	44.5	0.67	0.59	68	5.0	395	343
3100	31.7	27.5	47.0	0.67	0.59	68	5.0	394	343
3195	33.4	29.0	50.0	0.67	0.58	69	4.8	391	340
3295	35.1	30.5	53.5	0.66	0.57	71	4.8	384	334
3400	36.6	31.8	58.0	0.63	0.55	72	4.5	369	321
3563	38.8	33.7	66.0	0.59	0.51	72	4.0	344	299

Comments: Boat tested w/ standard equipment.

#### Note:

Speed determined by GPS, GPH based on the total usage of the engines. MPG computed from MPH and GPH figures shown.  
 Range based on calculated MPG and 90% of total fuel capacity. The performance data shown above should be considered valid only for the specific boat whose serial number is shown and on the date this test was performed.  
 Many factors may affect actual performance obtained on this boat or on similar boats. These include but are not limited to, installation of certain options such as tuna towers, hard tops, vessel loading and trim, weather and sea conditions, engine and boat condition, propeller condition, water temperature, altitude, manufacturing tolerances, etc. Tiara Yachts make no guarantees whatsoever that this performance will be repeated on this boat at a later date or at any time on a similarly equipped boat.