

Tiara 53 Coupe™
Volvo D11 IPS950®



PERFORMANCE REPORT

Date tested: 8/22/2016 Test Engineers: Mike Ward
 Chris Caropepe

Hull Number: SSUSA035E617
 Location: Lake Michigan
 Weather: Fair, wind South at 5-10mph
 Water / Air Temp: 75 / 72

Propeller: IPS-2 P4
 Gears/Gear Ratio: 1.7:1
 Fuel Capacity: 650
 Fuel/Water/Waste: 100%/100%/100%
 People on Board: 4
 Gear on Board: 800 Includes people and gear

PERFORMANCE SUMMARY:	
Acceleration:	11.5 Seconds to 28.1 smph / 15 Seconds to 32.1 smph
Optimum Cruise Speed:	28.1 mph @ 2100 RPM / 32.1 mph @ 2250 RPM
Range at Optimum Cruise:	303 / 300 Statute Miles

RPM	MPH	Knots	GPH	Statute MPG	Nautical MPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	6.8	5.9	2.3	2.95	2.56	68.0	0.0	1723	1497
800	8.6	7.5	4.4	1.96	1.71	69.0	0.5	1149	999
1000	10.5	9.1	8.3	1.26	1.10	69.0	1.0	737	641
1400	13.3	11.6	21.2	0.63	0.55	70.0	3.5	367	319
1600	16.1	14.0	29.3	0.55	0.48	73.0	5.0	322	280
1800	20.6	17.9	36.0	0.57	0.50	74.0	6.0	335	291
2000	25.1	21.8	42.9	0.59	0.51	75.0	6.5	342	297
2100	28.1	24.4	47.2	0.60	0.52	75.0	6.0	348	303
2200	30.9	26.8	52.3	0.59	0.51	77.5	5.5	346	301
2250	32.1	27.9	54.5	0.59	0.51	78.0	5.3	345	300
2300	33.2	28.8	57.0	0.58	0.51	78.5	5.0	341	296
2400	35.5	30.9	61.9	0.57	0.50	79.0	4.8	336	292
2500	37.8	32.8	68.1	0.56	0.48	79.0	4.5	325	282
2560	39.0	33.9	73.3	0.53	0.46	79.0	4.0	311	270

This boat has passed the ABYC Quick Turn Test H-26.8.3.1 at WOT.

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.

This boat is an evolution of the 50 Coupe that incorporates an extended hull, new mechanical arrangement, and a salon redesign. The feel of the boat is unchanged and remains awesome, a 53 foot boat with the spirit of a 23. Functionality of the salon is greatly improved as is the mechanical access in the engine room. This boat was equipped with the SeaKeeper Gyro system. The added stability both at the dock and in beam seas must be experienced! it makes this awesome boat even better.