

# Tiara 31

## Twin Volvo® D6 Diesel, 330hp



### PERFORMANCE REPORT

Date tested: 5/13/2014 Test Engineers: Mike Ward, Frank Hercinger

Hull Number: SSUCA053B414  
 Location: Choctawhatchee Bay, Destin FL  
 Weather: Sunny Wind SSE 10 Waves 1'-2' Chop  
 Water / Air Temp: 78 / 83

Propeller: MWM CX-300 19 X 26 #10 cup  
 Gear & Gear Ratio: ZF 63AE 2.017/2.037:1  
 Fuel Capacity: 210 gallons  
 Fuel/Water/Waste: 100%/100%/100%  
 People on Board: 3  
 Gear on Board: 1000 Lbs LBS Includes personnel and test equipment

#### PERFORMANCE:

Acceleration: 16.4 Seconds to 30.2 smph / 19.5 Seconds to 33 smph  
 Optimum Cruise Speed: 30.2 mph @ 3100 RPM / 33.0 mph @ 3300 RPM  
 Ranges at Optimum Cruise: 228 / 215 Statute Miles

RPM	MPH	Knots	GPH	SMPG	NMPG	dB,A	Trim Angle (Degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	4.8	4.2	0.5	9.69	8.42	64	0.0	1831	1591
1000	7.2	6.3	1.9	3.81	3.31	70	0.5	719	625
1500	9.2	8.0	4.8	1.91	1.66	79	2.5	361	314
2000	10.9	9.5	11.0	0.99	0.86	84	6.0	187	163
2198	13.0	11.3	14.0	0.93	0.81	87	7.8	175	152
2400	15.8	13.7	17.0	0.93	0.81	85	9.3	176	153
2603	19.7	17.1	19.5	1.01	0.88	88	10.0	191	166
2803	25.0	21.7	21.0	1.19	1.04	88	8.3	225	196
3003	28.8	25.0	24.0	1.20	1.04	86	7.0	227	197
3098	30.2	26.2	25.0	1.21	1.05	88	6.5	228	198
3198	31.7	27.5	27.0	1.17	1.02	87	6.5	222	193
3295	33.0	28.7	29.0	1.14	0.99	87	6.0	215	187
3393	34.1	29.7	31.0	1.10	0.96	86	5.8	208	181
3495	35.4	30.8	33.0	1.07	0.93	88	5.8	203	176
3595	36.7	31.9	35.5	1.03	0.90	88	5.5	196	170

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

Comments: Boat tested with factory hardtop

Note:

Speed determined by GPS, GPH based on the total usage for 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.