

Tiara Sport 38LS
Triple Mercury 400 Verado JPO



PERFORMANCE REPORT

Date Tested: 3/29/19 Test Engineers: Mike Ward, Jason Romig, Andrew McAuliffe

Hull Number: SSUKB070C919
 Location: Lake X, St Cloud, Florida
 Weather: Sunny, Wind NNE 20-30
 Water / Air Temp: 68 / 68

Propeller: Mercury Enertia ECO 3-Blade SS 16 x 18 Port & Stbd - 16 x 17 Center
 Gears/Gear Ratio: 1.75:1
 Fuel Capacity: 331
 Fuel/Water/Waste: 100% / 100% / 100%
 People on Board: 3
 Gear on Board: 700 lbs Includes people and gear

PERFORMANCE SUMMARY:	
Acceleration:	0-30 = 9.75
Optimum Cruise Speed:	39.2 mph @ 4500 RPM
Range at Optimum Cruise:	296 Statute Miles

RPM	MPH	Knots	GPH	Statute MPG	Nautical MPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	3.1	2.7	2.1	1.46	1.27	58.0	0.0	436	379
1000	5.5	4.8	3.7	1.48	1.29	60.0	0.5	441	383
1500	8.0	7.0	5.8	1.37	1.19	69.0	0.6	410	356
2000	9.6	8.4	9.1	1.06	0.92	74.0	2.4	316	275
2500	10.5	9.2	14.3	0.74	0.64	79.0	3.8	220	191
3000	11.4	9.9	21.3	0.54	0.47	81.0	5.3	160	139
3500	19.3	16.7	26.2	0.74	0.64	83.0	5.1	219	190
4000	30.9	26.8	34.6	0.89	0.78	85.0	4.1	266	231
4500	39.2	34.1	39.4	0.99	0.86	87.0	3.7	296	258
5000	43.8	38.1	52.5	0.83	0.73	89.0	3.2	249	216
5500	48.6	42.2	67.7	0.72	0.62	89.0	2.8	214	186
6000	52.9	46.0	93.5	0.57	0.49	90.0	2.8	169	147
6701	57.5	50.0	113.4	0.51	0.44	92.0	2.8	151	131

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

*This boat was equipped with optional bottom paint.

Notes:

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.