



Twin Mercury
400 Verado V10 5.7L



PERFORMANCE REPORT

Date Tested: 1/18/2023 Test Engineers: Jason Romig, Dan Schaeffer, Tim Slikkers

Hull Number: SSUBA070I223
 Location: Lake X, St.Cloud, FL
 Weather: Sunny, Wind SW 5 mph, Ripples
 Water / Air Temp: 65 / 73

Propeller: Mercury Revolution X 22" pitch
 Gears/Gear Ratio: HD Camber 2.08
 Fuel Capacity: 200 Gallons
 Fuel/Water/Waste: 100% / 100% / 100%
 People on Board: 3
 Gear on Board: 750 lbs Includes people and gear
 Weight as Tested: 15880 lbs
 Engine Mounting: Engines Mounting Hole - 5

PERFORMANCE SUMMARY:

Acceleration: 0-30 = 9.31 Seconds
 Optimum Cruise Speed: 38.0 mph @ 4500 RPM
 Range at Optimum Cruise: 194 Statute Miles

RPM	MPH	Knots	GPH	Statute MPG	Nautical MPG	dB,A*	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	5.2	4.5	2.1	2.48	2.15	n/a	0.0	446	387
1000	6.6	5.7	3.2	2.06	1.79	n/a	0.1	371	323
1500	8.5	7.4	5.9	1.44	1.25	n/a	1.0	259	225
2000	10.1	8.8	9.9	1.02	0.89	n/a	2.9	184	160
2500	11.4	9.9	12.5	0.91	0.79	n/a	4.7	164	143
3000	13.6	11.8	16.9	0.80	0.70	n/a	5.4	145	126
3500	18.7	16.3	20.9	0.89	0.78	n/a	5.2	161	140
4000	26.1	22.7	26.1	1.00	0.87	n/a	5.5	180	156
4500	38.0	33.0	35.3	1.08	0.94	n/a	3.8	194	168
5000	43.4	37.7	45.3	0.96	0.83	n/a	3.0	172	150
5500	48.6	42.3	53.8	0.90	0.78	n/a	3.6	163	141
6000	53.5	46.5	64.6	0.83	0.72	n/a	3.2	149	130
6377	56.4	49.0	68.5	0.82	0.72	n/a	3.0	148	129

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

Performance data taken with Seakeeper 2 and Panda 5 genset weight included
 Performance report was taken with Active Trim On at Level 3

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 gyros, vessel loading and trim, weather and sea conditions, engine and boat condition, propeller condition, water temperature, altitude, manufacturing tolerances, etc. Tiara Yachts makes 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.