

TIARA YACHTS 34 LS

Twin Mercury 400 Verado JPO



PERFORMANCE REPORT

Date Tested: 4/16/19 Test Engineers: Mike Ward, Josh Koetsier, Jason Romig

Hull Number: SSUKC025D919
 Location: Lake Michigan, Holland, MI
 Weather: Cloudy, Wind E 20-30
 Water / Air Temp: 40 / 48

Propeller: Mercury Enertia ECO 3-Blade SS 16 x 17
 Gears/Gear Ratio: 1.75:1
 Fuel Capacity: 200 gal
 Fuel/Water/Waste: 100% / 100% / 0%
 People on Board: 3
 Gear on Board: 700 lbs Includes people and gear
 Weight as Tested: 15,891 lbs

PERFORMANCE SUMMARY:

Acceleration: 0-30 = 10.96
 Optimum Cruise Speed: 34.7 mph @ 4500 RPM
 Range at Optimum Cruise: 227 Statute Miles

RPM	MPH	Knots	GPH	Statute MPG	Nautical MPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	2.9	2.5	1.6	1.80	1.57	58.0	0.0	325	282
1000	5.3	4.6	2.6	2.02	1.75	66.0	0.1	363	315
1500	7.7	6.7	3.7	2.10	1.82	70.0	0.0	378	328
2000	9.5	8.2	6.0	1.59	1.38	74.0	1.5	286	248
2500	10.7	9.3	9.5	1.12	0.97	79.0	3.6	202	175
3000	12.3	10.7	13.4	0.92	0.80	83.0	4.8	165	143
3500	16.1	14.0	17.5	0.92	0.80	85.0	5.2	166	145
4000	22.4	19.5	21.9	1.02	0.89	86.0	5.9	184	160
4500	34.7	30.1	27.5	1.26	1.10	87.0	5.1	227	197
5000	38.8	33.7	32.8	1.18	1.03	89.0	4.5	213	185
5500	43.5	37.8	41.4	1.05	0.91	90.0	4.5	189	164
6000	45.8	39.8	51.2	0.89	0.78	91.0	4.3	161	140
6711	51.7	44.9	76.0	0.68	0.59	94.0	4.2	122	106

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.