TIARA YACHTS 34 LX
Twin Mercury 400 Verado JPO

PERFORMANCE REPORT

Date Tested: 4/22/19 Test Engineers: Mike Ward, Josh Koetsier, Jason Romig

Hull Number: SSUBA004D919
Location: Lake Macatawa, Holland, MI
Weather: Partly Cloudy, Wind S 10-15
Water / Air Temp: 45 / 65

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: 1,000 lbs Includes people and gear
Weight as Tested: 16,473 lbs

PERFORMANCE SUMMARY:
Acceleration: 0-30 = 13.1
Optimum Cruise Speed: 33.3 mph @ 4500 RPM
Range at Optimum Cruise: 221 Statute Miles

RPM	MPH	Knots	GPH	Statute MPG	Nautical MPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	3.0	2.6	1.4	2.12	1.84	58.0	0.0	382	332
1000	5.3	4.6	2.5	2.16	1.87	63.0	0.5	388	337
1500	7.6	6.6	3.7	2.05	1.78	68.0	0.5	369	321
2000	9.4	8.2	5.7	1.65	1.43	72.0	2.0	296	257
2500	10.5	9.2	9.5	1.11	0.97	78.0	3.5	201	174
3000	12.0	10.4	13.7	0.87	0.76	80.0	4.5	157	137
3500	15.1	13.2	17.7	0.86	0.75	80.0	5.5	154	134
4000	20.5	17.8	23.1	0.88	0.77	85.0	7.0	159	138
4500	33.3	28.9	27.1	1.23	1.07	88.0	5.0	221	192
5000	38.9	33.8	33.7	1.15	1.00	88.0	4.5	208	181
5500	43.0	37.3	41.4	1.04	0.90	90.0	4.0	187	162
6000	46.5	40.4	52.5	0.89	0.77	91.0	3.5	159	139
6749	51.1	44.4	76.0	0.67	0.58	91.0	3.5	121	105

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.