

**Tiara Yachts 38LX
Triple Mercury 400 Verado JPO**



PERFORMANCE REPORT

Date tested: 10/3/19 Test Engineers: Frank Hercinger, Josh Koetsier

Hull Number: SSUBB001J920
 Location: Lake Michigan, Holland, Michigan
 Weather: Cloudy, Wind E 5-10, Waves 0-1'
 Water / Air Temp: 66 / 54

Engine Mounting: Holes 3 & 5 all Engines
 Propeller: Mercury Enertia ECO 3-Blade SS 16" x 17 pitch
 Gears/Gear Ratio: 1.75:1
 Fuel Capacity: 331
 Fuel/Water/Waste: 100%/100%/100%
 People on Board: 2
 Gear on Board: 450 Includes people and gear
 Test Weight: 21,621 lbs

PERFORMANCE SUMMARY:	
Acceleration:	0-30 = 10.6
Optimum Cruise Speed:	29.7 mph @ 4000 RPM / 41.9 mph @ 5000 RPM
Range at Optimum Cruise:	267 Statute Miles / 254 Statute Miles

RPM	MPH	Knots	GPH	Statute MPG	Nautical MPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	3.7	3.2	1.8	1.99	1.73	66.0	0.0	594	516
1000	5.9	5.1	3.5	1.66	1.45	66.0	0.1	496	431
1500	8.2	7.1	5.4	1.52	1.32	71.0	0.4	453	393
2000	10.0	8.7	7.8	1.29	1.12	73.0	1.8	383	333
2500	11.3	9.8	12.8	0.89	0.77	78.0	3.7	264	229
3000	12.5	10.9	17.9	0.70	0.61	81.0	4.7	208	181
3500	16.8	14.6	23.6	0.71	0.62	82.0	5.8	212	184
4000	29.7	25.8	33.2	0.90	0.78	84.0	5.4	267	232
4500	35.1	30.5	43.6	0.81	0.70	86.0	4.7	240	209
5000	41.9	36.4	49.2	0.85	0.74	88.0	3.9	254	221
5500	46.5	40.4	61.8	0.75	0.65	90.0	3.8	224	195
6000	50.8	44.1	79.6	0.64	0.55	90.0	3.7	190	165
6770	55.5	48.2	112.6	0.49	0.43	94.0	4.9	147	128

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

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 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.