43LE // Twin Mercury 600 Verado V12 7.6L

Tiara YACHTS

PERFORMANCE REPORT

Date tested:	8/8/24	Test Engineer:	Chris Caropepe
			Josh Koetsier
Hull Number:	SSUBE001G425		Lucas Evans
Location:	Lake Michigan Holland Michigan		
Weather:	Sunny, Wind - SSW 0-5, Waves <1' Light Chop		
Water / Air Temp:	67 / 76		

Propeller:	Mercury Verado V12 Duo Prop 26P		
Gear & Gear Ratio:	2-speed Transmission		
Fuel Capacity:	540	gallons	
Fuel/Water/Waste:	100%/100%/100%		
People on Board:	3		
Gear on Board:	750	lbs	Includes personnel and test equipment
Weight as tested:	29775	lbs	
Engine Mounting:	Hole 2		

PERFORMANCE SUMMARY:

Acceleration:	Idle-30 = 10.8 seconds
Optimum Cruise Speed:	35.3 mph @ 4500 RPM / 40.9 mph @ 5000 RPM
Range at Optimum Cruise:	302 / 312 Statute Miles

RPM	MPH	Knots	GPH	Statute MPG	Nautical MPG	dB,A*	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
700	3.9	3.4	2.7	1.42	1.23	52.4	-0.2	689	599
1000	4.9	4.2	3.8	1.26	1.10	53	0.0	615	534
1500	7.2	6.2	5.7	1.26	1.09	57.3	0.5	612	532
2000	9.1	7.9	9.0	1.00	0.87	56.3	0.8	486	423
2500	10.7	9.3	13.4	0.80	0.70	57	1.7	390	339
3000	12.4	10.8	20.5	0.61	0.53	60.3	3.2	295	256
3500	22.2	19.3	40.0	0.55	0.48	70.7	4.4	269	234
4000	29.2	25.3	50.4	0.58	0.50	72.8	4.8	281	244
4500	35.3	30.7	56.8	0.62	0.54	74.8	4.5	302	262
5000	40.9	35.6	63.8	0.64	0.56	76.5	4.3	312	271
5500	46.4	40.3	82.5	0.56	0.49	78.7	3.9	273	237
6000	51.2	44.5	98.7	0.52	0.45	80.3	3.4	252	219
6158	51.4	44.6	100.5	0.51	0.44	80.7	4.2	248	216

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 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.