

35LS

Twin Mercury
425 Verado V10 5.7L

TIARA
YACHTS

PRELIMINARY PERFORMANCE REPORT

Date tested: 8/13/2026 Test Engineer: Chris Caropepe
Josh Koetsier
Jason Romig

Hull Number: KJ001
Location: Lake Michigan - Holland
Weather: Clear - Wind S - 5 - waves 1'
Water / Air Temp: 72 / 71

Propeller: Mercury Revolution X 4-Blade 19" Rotating In

Gear & Gear Ratio: 2.08:1

Fuel Capacity: 410 gallons

Fuel/Water/Waste: 100/100/100

People on Board: 3

Gear on Board: 800 lbs Includes personnel and test equipment

Weight as tested: 18933 lbs

Engine Mounting: 1 & 3

PERFORMANCE:

Acceleration: Idle-30 = 11.4 seconds

Optimum Cruise Speed: 33.3 mph @ 4500 RPM / 38.4 mph @ 5000 RPM

Range at Optimum Cruise: 351/322 Statute Miles

RPM	MPH	Knots	GPH	SMPG	NMPG	dB,A*	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
650	3.6	3.1	1.7	2.15	1.86	56.70	0.0	792	688
1000	5.5	4.8	2.8	1.93	1.68	61.90	0.5	712	619
1500	7.7	6.7	5.0	1.54	1.33	67.50	1.0	567	492
2000	9.8	8.5	8.3	1.17	1.02	71.00	2.0	432	375
2500	10.9	9.5	10.8	1.01	0.88	76.70	3.5	374	325
3000	13.5	11.7	15.5	0.87	0.76	77.40	5.0	322	280
3500	17.4	15.1	20.1	0.86	0.75	79.70	4.5	318	277
4000	25.7	22.3	26.3	0.98	0.85	83.00	5.0	360	313
4500	33.3	28.9	35.0	0.95	0.83	83.50	4.0	351	305
5000	38.4	33.3	44.0	0.87	0.76	85.10	4.0	322	279
5500	42.9	37.2	54.4	0.79	0.68	87.10	4.0	291	253
6000	47.0	40.7	60.8	0.77	0.67	89.20	4.0	285	248
6374	50.3	43.6	67.3	0.75	0.65	90.30	3.5	276	240

*NOTE: Sound measurements taken with optional enclosure side panels in place.

Note:

Speed determined by GPS, GPH based on the total usage for the engines. MPG computed from MPH and GPH figures shown.

Range based on calculated MPG and 90% of total fuel capacity which represents a 10% reserve. 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.

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

This boat is equipped with the optional gyro.