34LS // Twin Mercury 400 Verado V10 5.7L

Tiara YACHTS

## PERFORMANCE REPORT

Date Tested: 10/13/2022 Test Engineers: Jason Romig

Hull Number: SSUKC139I223
Location: Lake X, St.Cloud, FL
Weather: Sunny, Wind SW 5 mph, Ripples
Water / Air Temp: 70 / 85

Propeller: Mercury Revolution X 23" pitch
Gears/Gear Ratio: HD Camber 2.08
Fuel Capacity: 200 Gallons
Fuel/Water/Waste: 100% / 100% / 100%
People on Board: 1
Gear on Board: 250 lbs Includes people and gear
Weight as Tested: 15440
Enigne Mounting: Engines - Hole 5

**PERFORMANCE SUMMARY:**

| | |
|---|---|
| Acceleration: | 0-30 = 10.51 Seconds |
| Optimum Cruise Speed: | 40.6 mph @ 4500 RPM |
| Range at Optimum Cruise: | 216 Statute Miles |

| RPM | MPH | Knots | GPH | Statute MPG | Nautical MPG | dB,A* | Trim Angle (degrees) | Estimated Range (Statute Miles) | Estimated Range (Nautical Miles) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| 600 | 4.4 | 3.8 | 2.0 | 2.20 | 1.91 | n/a | n/a | 396 | 344 |
| 1000 | 6.2 | 5.4 | 3.5 | 1.77 | 1.54 | n/a | n/a | 319 | 277 |
| 1500 | 8.8 | 7.7 | 6.1 | 1.44 | 1.25 | n/a | n/a | 260 | 226 |
| 2000 | 10.1 | 8.8 | 9.5 | 1.06 | 0.92 | n/a | n/a | 191 | 166 |
| 2500 | 11.3 | 9.8 | 12.2 | 0.93 | 0.80 | n/a | n/a | 167 | 145 |
| 3000 | 11.9 | 10.3 | 16.5 | 0.72 | 0.63 | n/a | n/a | 130 | 113 |
| 3500 | 17.8 | 15.5 | 21.5 | 0.83 | 0.72 | n/a | n/a | 149 | 129 |
| 4000 | 26.4 | 23.0 | 26.2 | 1.01 | 0.88 | n/a | n/a | 181 | 158 |
| 4500 | 40.6 | 35.3 | 33.8 | 1.20 | 1.04 | n/a | n/a | 216 | 188 |
| 5000 | 47.6 | 41.4 | 48.5 | 0.98 | 0.85 | n/a | n/a | 177 | 154 |
| 5500 | 53.0 | 46.1 | 60.4 | 0.88 | 0.76 | n/a | n/a | 158 | 137 |
| 6000 | 57.7 | 50.2 | 65.2 | 0.88 | 0.77 | n/a | n/a | 159 | 138 |
| 6377 | 57.9 | 50.3 | 65.2 | 0.89 | 0.77 | n/a | n/a | 160 | 139 |

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

Performace data taken with Seakeeper 2 and Panda 5 genset weight included
Performance report was taken with Active Trim On at Level 3

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.