

TIARA YACHTS 43 LS

Triple MERCURY Racing™ 450R



PERFORMANCE REPORT

Date tested: 3/3/2020 Test Engineer: Chris Caropepe, Jason Romig

Hull Number: SSUKD017B020
 Location: Lake X, St. Cloud, FL
 Weather: Wind SW @ 15
 Water / Air Temp: 66 / 84

Propeller: Mercury REVOLUTION 4 XP - 14.6 x 18-19-18
 Gear & Gear Ratio: 1.60:1
 Fuel Capacity: 400
 Fuel/Water/Waste: 100%/100%/100% - No Optional Gyro
 People on Board: 2
 Gear on Board: 400 LBS Includes personnel and test equipment.
 Test Weight 25014 LBS

PERFORMANCE:
 Acceleration: 0-30 = 9.0 seconds
 Optimum Cruise Speed: 35.0 mph @ 4250 RPM
 Range at Optimum Cruise: 255 Statute Miles / 49.9 GPH

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	2.3	1.62	1.41	54	0.0	584	508
1000	6.4	5.6	4.7	1.35	1.18	64	0.2	487	423
1500	9.0	7.8	9.0	1.00	0.87	69	0.9	361	314
2000	10.4	9.1	15.1	0.69	0.60	71	2.7	248	216
2500	11.5	10.0	21.8	0.53	0.46	74	4.9	190	165
3000	17.7	15.4	28.6	0.62	0.54	80	4.4	222	193
3500	23.0	20.0	36.2	0.63	0.55	82	5.6	228	198
4000	30.1	26.1	41.9	0.72	0.62	83	5.1	258	224
4500	40.7	35.4	58.2	0.70	0.61	83	4.0	252	219
5000	47.9	41.6	72.4	0.66	0.58	84	3.7	238	207
5500	53.7	46.7	93.0	0.58	0.50	85	3.4	208	180
6198	60.1	52.2	137.0	0.44	0.38	85	3.3	158	137

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

*This boat was not equipped Gyro Option or Bottom Paint.

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. 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.