

EX54

Twin Volvo
IPS2-950 Diesels, 725 HP



PERFORMANCE REPORT

Date tested: 1/23/2024 Test Engineer: Mike Mitchell
 Hull Number: SSURF001A424 Tim Mayville
 Location: River, Stuart, FL Josh Koetsier
 Weather: Clear, SE 14mph, Ripples
 Water / Air Temp (°F): 66 / 75

Propeller: Volvo P4
 Gear & Gear Ratio: 1.7:1
 Fuel Capacity: 650 gallons
 Fuel/Water/Waste: 100%/100%/100%
 People on Board: 3 Active Trim On during Performance Testing
 Gear on Board: 630 LBS Includes personnel and test equipment/Gyro/All Chain Windlass
 Weight as Tested: 56,891 LBS

PERFORMANCE:
 Acceleration: Idle-30 = 15.5 seconds
 Optimum Cruise Speed: 26 mph @ 2000 RPM / 30.6 mph @ 2200 RPM
 Range at Optimum Cruise: 344/334 Statute Miles / 299/290 Nautical Miles

RPM	MPH	Knots	GPH	SMPG	NMPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
599	6.0	5.3	2.4	2.57	2.23	56	1.0	1503	1306
799	8.2	7.1	4.6	1.78	1.54	58	1.0	1038	902
1001	9.0	7.9	8.3	1.09	0.95	58	1.8	636	553
1198	9.7	8.4	15.5	0.62	0.54	60	3.0	365	317
1404	10.2	8.9	25.3	0.40	0.35	62	5.0	236	205
1594	17.0	14.8	29.8	0.57	0.50	65	4.5	334	290
1796	21.4	18.6	36.1	0.59	0.51	68	5.0	347	301
1998	26.0	22.7	44.3	0.59	0.51	71	5.3	344	299
2097	28.2	24.5	48.9	0.58	0.50	72	5.3	337	293
2200	30.6	26.7	53.7	0.57	0.50	71	5.3	334	290
2296	32.7	28.5	58.6	0.56	0.49	73	5.3	327	284
2404	35.3	30.7	63.6	0.56	0.48	72	5.0	325	282
2501	37.5	32.6	69.8	0.54	0.47	72	4.9	314	273
2561	38.7	33.7	74.2	0.52	0.45	72	4.8	305	265

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