



Twin Volvo  
IPS 500 Diesels, 370 HP



## PERFORMANCE REPORT

Date tested: 10/13/2015 Test Engineers: Mike Ward, Dan Schaeffer

Hull Number: SSUXE001F516  
Location: Ft Pierce FL ICW  
Weather: Sunny Wind SW 5-10, Waves < 1'  
Water / Air Temp: 80 / 85

Propeller: Volvo IPS T5  
Gears/Gear Ratio: IPS 1 1.94:1  
Fuel Capacity: 300 gallons  
Fuel/Water/Waste: 100%/100%/100%  
People on Board: 4  
Gear on Board: 1,100 lbs. Includes people and gear

### PERFORMANCE SUMMARY:

Acceleration: 13.1 seconds idle to 30.1 smph / 18 seconds idle to 34.6 smph  
Optimum Cruise Speed: 30.1 mph @ 3000 RPM / 34.6 mph @ 3250 RPM  
Range at Optimum Cruise: 313 / 301 Statute Miles

RPM	MPH	Knots	GPH	Statute MPG	Nautical MPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	4.7	4.1	0.5	8.90	7.73	63.0	0.0	2402	2088
995	7.2	6.3	2.1	3.54	3.08	68.0	0.0	956	831
1500	9.8	8.5	5.5	1.79	1.56	71.0	2.0	485	421
2000	11.5	9.9	13.0	0.88	0.77	73.0	5.5	238	207
2299	16.8	14.6	15.0	1.12	0.97	73.0	5.5	302	262
2400	19.9	17.3	17.5	1.13	0.98	74.0	5.5	306	266
2600	23.0	20.0	20.8	1.11	0.96	75.0	6.5	299	260
2800	26.6	23.1	23.9	1.12	0.97	78.0	6.5	301	262
3000	30.1	26.2	26.0	1.16	1.01	78.0	6.3	313	272
3200	33.5	29.1	29.8	1.13	0.98	78.0	5.0	304	264
3250	34.6	30.0	31.0	1.11	0.97	80.0	5.0	301	262
3400	36.8	32.0	35.0	1.05	0.91	79.0	4.8	284	247
3500	38.3	33.3	37.5	1.02	0.89	80.0	4.5	276	240
3625	40.3	35.0	42.0	0.96	0.83	81.0	4.5	259	255

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

**Note:**

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 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.