



Twin Volvo
IPS 800 Diesels, 600 HP



PERFORMANCE REPORT

Date tested: 5/29/2018 Test Engineers: Frank Hercinger
Jeff Zita

Hull Number: SSUXF001F819
Location: Lake Michigan
Weather: Clear, Wind-S @ 0-5, Waves 0-1'
Water / Air Temp: 63 / 88

Propeller: IPS-15 N3
Gears/Gear Ratio: 1.84:1
Fuel Capacity: 500
Fuel/Water/Waste: 100%/100%/100%
People on Board: 3
Gear on Board: 924 Includes people and gear

PERFORMANCE SUMMARY:	
Acceleration:	17 Seconds form idle speed to 30.2 MPH
Optimum Cruise Speed:	30.2 mph @ 2750 RPM
Range at Optimum Cruise:	252 Statute Miles

RPM	MPH	Knots	GPH	Statute MPG	Nautical MPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	5.4	4.7	1.3	4.18	3.63	64.0	0.0	1881	1635
800	6.9	6.0	2.6	2.69	2.34	62.0	0.0	1211	1052
1000	8.2	7.1	3.9	2.11	1.83	63.0	0.5	950	825
1200	9.7	8.4	6.5	1.49	1.29	64.0	1.0	671	583
1400	10.7	9.3	10.0	1.07	0.93	66.0	1.5	482	418
1600	11.8	10.3	15.0	0.79	0.69	68.0	3.0	356	309
1800	12.8	11.1	21.0	0.61	0.53	70.0	4.5	275	239
2000	14.6	12.7	29.5	0.49	0.43	71.0	6.0	221	192
2200	17.9	15.6	36.0	0.50	0.43	71.0	7.0	225	196
2400	21.7	18.9	43.0	0.50	0.43	72.0	7.5	225	196
2500	24.3	21.1	47.0	0.52	0.45	72.0	7.5	234	203
2600	26.5	23.0	50.5	0.52	0.45	72.0	7.0	234	203
2700	28.7	24.9	52.0	0.55	0.48	74.0	6.5	248	215
2750	30.2	26.2	54.0	0.56	0.49	74.0	6.0	252	219
2800	31.0	26.9	55.0	0.56	0.49	74.0	6.0	252	219
2900	32.8	28.5	58.0	0.57	0.50	74.0	5.5	257	223
3000	34.9	30.3	61.0	0.57	0.50	75.0	5.0	257	223
3060	36.1	31.4	65.5	0.55	0.48	75.0	5.0	248	215

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.