

# 3200 Open Twin Volvo® D6 Diesels, 310hp



## PERFORMANCE REPORT

Date tested: 9/26/2003 Test Engineer: Jeff Emch

Hull Number: SSUR3003H304  
 Location: Holland, MI - Lake Macatawa  
 Weather: Mostly cloudy, wind NW @ 5 mph, Seas calm  
 Water / Air Temp: 59 / 51

Propeller: 19 x 24 HX300 #7 Cup - Nibral 3 blades, 0.70 DAR  
 Gear Ratio: 2.02/2.04  
 Fuel Capacity: 256 gallons  
 Fuel/Water/Waste: 100%/100%/100%  
 People on Board: 3 people  
 Gear on Board: 250 lbs.

**PERFORMANCE:**  
 Acceleration: 12 seconds to 3300 RPM  
 Optimum Cruise Speed: 30.5 MPH @ 3300 RPM  
 Range at Optimum Cruise: 260 statute miles

RPM	MPH	Knots	GPH	MPG	dB,A	Trim Angle	Estimated Range (Statute Miles)
600	4.7	4.1	0.4	11.79	65	0.0	2716
800	6.1	5.3	0.9	6.78	68	0.3	1562
1005	7.1	6.2	1.7	4.20	71	0.5	968
1500	9.4	8.2	3.7	2.54	76	2.0	585
1995	10.7	9.3	9.1	1.18	82	5.5	271
2495	16.8	14.6	15.9	1.06	84	8.0	245
3000	26.1	22.7	22.6	1.15	85	7.8	266
3100	27.8	24.1	24.0	1.16	86	7.5	267
3200	29.1	25.3	26.0	1.12	86	7.0	258
3300	30.5	26.5	27.0	1.13	86	7.0	260
3400	31.7	27.5	28.8	1.10	87	6.8	253
3500	32.9	28.5	31.9	1.03	87	6.5	238
3615	34.0	29.6	34.5	0.99	87	6.0	227

**Comments:** Boat equipped with factory hardtop. Front and side isinglass fillers installed.  
 All data is the average of two direction runs (East & West)

**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.