



Performance Report 4000 Express - Diesel

Date:	08/16/94	Engine:	Cummins 6C8.3TA, 420 hp
Location:	Lake Michigan	Test Engineer:	Mike Ward
Hull Number:	SSUM4028C495	Gear Ratio:	ZF302 V-LD 1.65:1
Prop:	24 x25x3, Michigan Wheel	Fuel Capacity:	444 gallons
Sea Conditions:	Calm	Water/Air Temp:	60°/85°
# of People on Board:	1	Gear on Board:	Approx. 300 lbs
Best time to plane:	8 sec. wake sep./ 16 sec. 1st drop	Range at Optimum Cruise:	306/299 miles
Optimum Cruise Speed:	24.2/28.2 mph		
Fuel/Water/Waste:	61%/83%/10%		

RPM	MPH	Knots	GPH	MPG	db, A	Angle Degrees	Estimated Range
700	6.3	5.5	1.8	3.50	70	0.0	1,392
1000	9.9	8.6	4.7	2.10	77	1.0	838
1500	12.6	11.0	15.2	0.83	82	4.0	330
1800	16.3	14.2	22.6	0.72	83	5.5	287
2000	19.7	17.1	27.2	0.72	84	6.0	288
2200	24.2	21.0	31.6	0.77	85	6.5	305
2400	28.2	24.5	37.8	0.75	87	6.0	297
2625	31.5	27.4	46.0	0.68	88	5.5	272

Comments: Full cruising gear and personal items on board. Boat tested with convertible top with forward filler and camper canvas. Full electronics package on arch (radar, VHF, GPS, AM/FM/TV)

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 makes 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.