



ENGINE PERFORMANCE TEST

305 Conquest®: Twin Mercury® 225 OptiMax®

Testing Information

Model: 305 Conquest

Hull #: 101

Engine: Twin Mercury 225 OptiMax

Horsepower: 450

Gear Ratio: 1.75:1

Prop: 15-3/4 x 15 Mirage

Fuel Capacity: 300 gallons

Notable Options: none

Test Date: Oct. 16, 2003

Weight Summary

Dry Weight: 10,300 lbs

Fuel: 300 gallons

Water: 40 gallons

Test Gear: 0 lbs

Personnel: 375 lbs

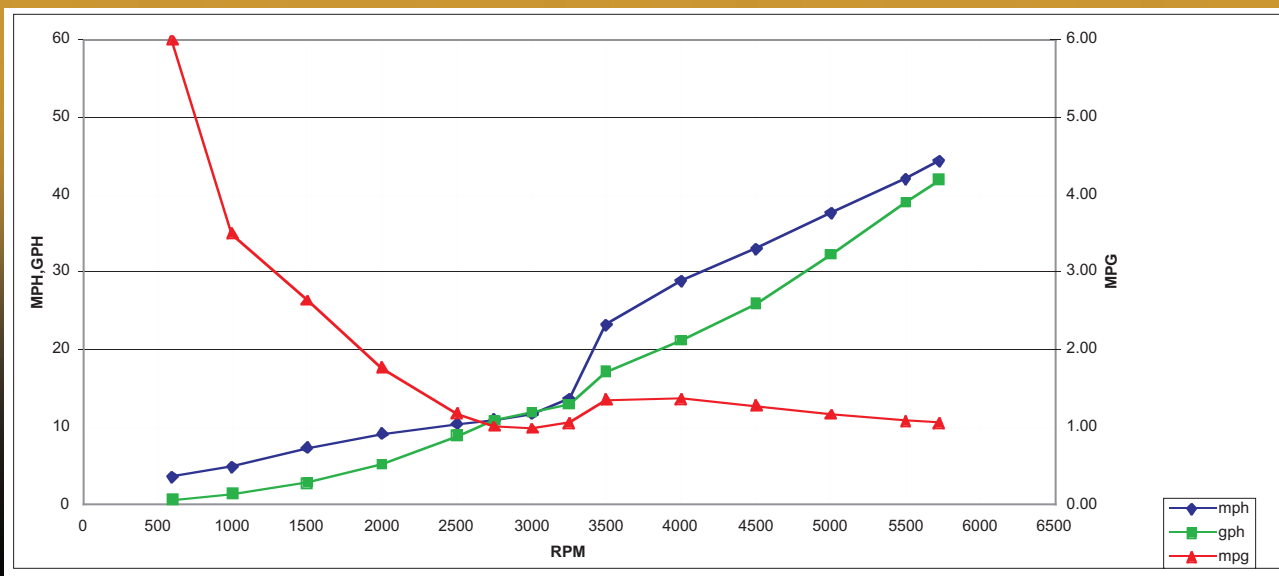
Test Weight: 12,854 lbs

Water Conditions: 75°F

Weather Conditions: 82°F

	RPM	Speed		Fuel Consumption			Noise dB(A)
		mph	knots	gph	mpg	nmpg	
Idle	600	3.6	3.1	0.6	6.00	5.21	1620
	1000	4.9	4.3	1.4	3.50	3.04	945
	1500	7.4	6.4	2.8	2.64	2.30	714
	2000	9.2	8.0	5.2	1.77	1.54	478
	2500	10.5	9.1	8.9	1.18	1.02	319
	2750	11.0	9.6	10.9	1.01	0.88	272
	3000	11.7	10.2	11.9	0.98	0.85	265
	3250	13.7	11.9	12.9	1.06	0.92	287
	3500	23.2	20.1	17.2	1.35	1.17	364
	4000	28.9	25.1	21.2	1.36	1.18	368
	4500	33.0	28.7	25.9	1.27	1.11	344
WOT	5000	37.7	32.7	32.3	1.17	1.01	315
	5500	42.0	36.5	39.0	1.08	0.94	291
	5720	44.3	38.5	41.9	1.06	0.92	285

Acceleration: time to plane 5.1 secs
Idle - 30 mph 9.0 secs



- Notes:
- 1) speed determined by GPS, Fuel consumption based on total usage by the engines. MPG computed from MPH & GPH. Range based on 90% of total fuel capacity.
 - 2) The performance data shown 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 the actual performance of this boat or of similar boats. Such factors include, but not limited to, installation of certain options such as towers and hard tops, vessel loading and trim, weather and sea conditions, wind and atmospheric conditions, engines condition, propeller condition, and hull bottom condition. Boston Whaler makes no guarantee whatsoever that this performance will be repeated on this boat at a later date or at any time on a similarly equipped boat.



ENGINE PERFORMANCE TEST

305 Conquest®: Twin Mercury® 225 Verado™

Testing Information

Model: 305 Conquest

Hull #: BWCE4457F304

Engine: Twin Mercury 225

Verado

Horsepower: 450

Gear Ratio: 1.85:1

Prop: 15-3/4 x 15 Mirage

Fuel Capacity: 300 gal

Notable Options: none

Test Date: July 26, 2004

Weight Summary

Dry Weight: 10,700 lbs

Fuel: 150 gal

Water: 40 gal

Test Gear: 0 lbs

Personnel: 335 lbs

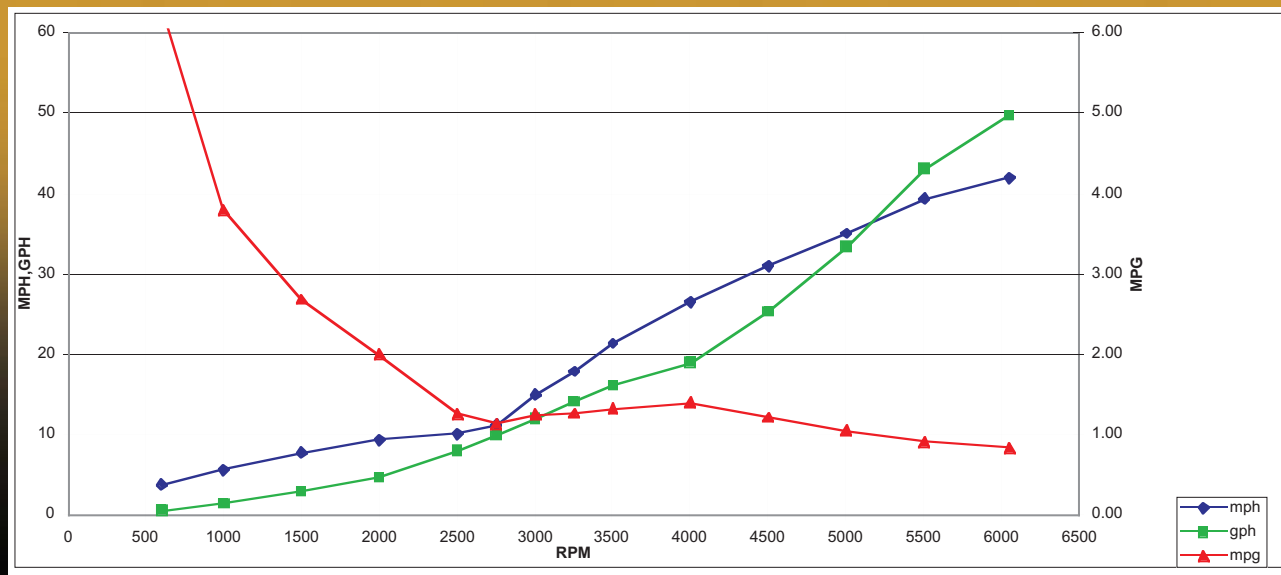
Test Weight: 12,292 lbs

Water Conditions: 87°F

Weather Conditions: 89°F

	RPM	Speed		Fuel Consumption			range (mi)	Noise dB(A)
		mph	knots	gph	mpg	nmpg		
Idle	600	3.8	3.3	0.6	6.33	5.50	1710	64
	1000	5.7	4.9	1.5	3.80	3.30	1026	75
	1500	7.8	6.8	2.9	2.69	2.34	726	78
	2000	9.4	8.2	4.7	2.00	1.74	540	78
	2500	10.1	8.8	8.0	1.26	1.10	341	79
	2750	11.3	9.8	9.9	1.14	0.99	308	83
	3000	15.0	13.0	12.0	1.25	1.09	338	85
	3250	17.9	15.5	14.1	1.27	1.10	343	85
	3500	21.4	18.6	16.1	1.33	1.15	359	84
	4000	26.6	23.1	19.0	1.40	1.22	378	87
WOT	4500	31.0	26.9	25.4	1.22	1.06	330	88
	5000	35.1	30.5	33.4	1.05	0.91	284	89
	5500	39.4	34.2	43.1	0.91	0.79	247	91
	6050	42.0	36.5	49.7	0.85	0.73	228	95

Acceleration: time to plane 5.9 secs
Idle - 30 mph 9.0 secs



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ENGINE PERFORMANCE TEST

305 Conquest®: Twin Mercury® 250 Verado™

Testing Information

Model: 305 Conquest

Hull #: BWCE4457F304

Engine: Twin Mercury 250 Verado

Horsepower: 500

Gear Ratio: 1.85:1

Prop: 15-3/4 x 15 Mirage

Fuel Capacity: 300 gallons

Notable Options: none

Test Date: May 6, 2004

Weight Summary

Dry Weight: 10,700 lbs

Fuel: 150 gallons

Water: 40 gallons

Test Gear: 0 lbs

Personnel: 355 lbs

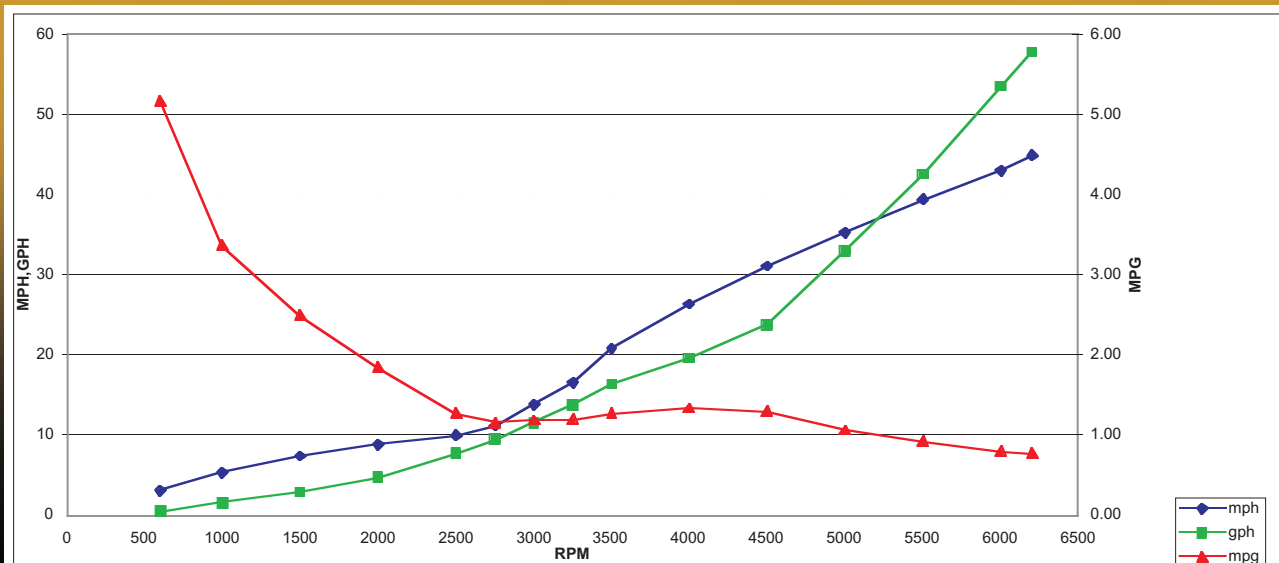
Test Weight: 12,312 lbs

Water Conditions: 78°F

Weather Conditions: 89°F

	RPM	Speed		Fuel Consumption			range (mi)	Noise dB(A)
		mph	knots	gph	mpg	nmpg		
Idle	600	3.1	2.7	0.6	5.17	4.49	1395	50
	1000	5.4	4.7	1.6	3.38	2.93	911	61
	1500	7.5	6.5	3.0	2.50	2.17	675	64
	2000	8.9	7.7	4.8	1.85	1.61	501	68
	2500	10.0	8.7	7.8	1.28	1.11	346	70
	2750	11.2	9.7	9.6	1.17	1.01	315	74
	3000	13.9	12.1	11.6	1.20	1.04	324	78
	3250	16.6	14.4	13.8	1.20	1.04	325	79
	3500	20.9	18.1	16.4	1.27	1.11	344	78
	4000	26.4	22.9	19.6	1.35	1.17	364	78
	4500	31.1	27.0	23.8	1.31	1.13	353	80
WOT	5000	35.3	30.7	33.0	1.07	0.93	289	81
	5500	39.4	34.2	42.6	0.92	0.80	250	81
	6000	43.0	37.3	53.5	0.80	0.70	217	83
	6200	44.9	39.0	57.8	0.78	0.67	210	85

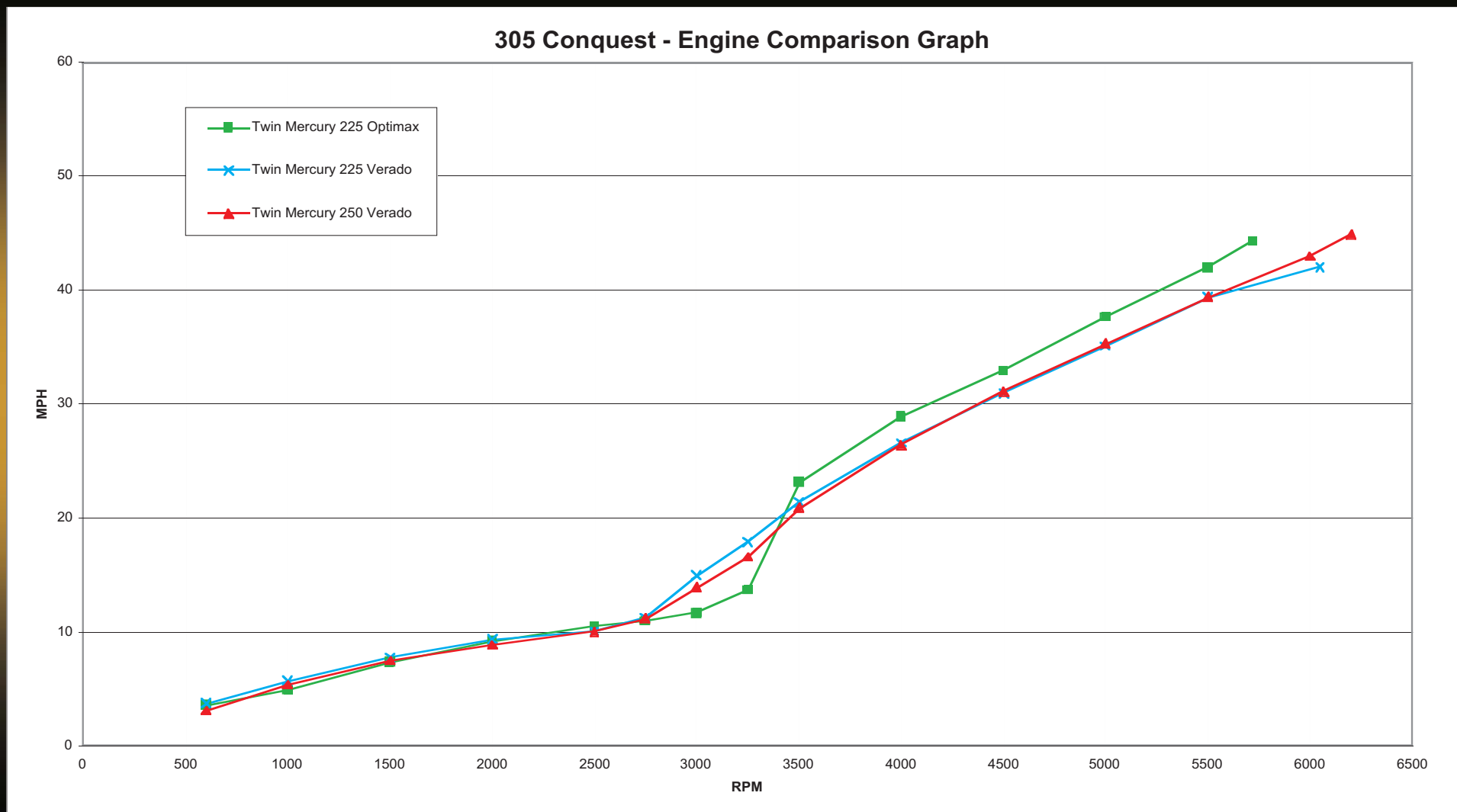
Acceleration: time to plane 5.7 secs
Idle - 30 mph 9.5 secs



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305 Conquest®: Engine Comparison Graph



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