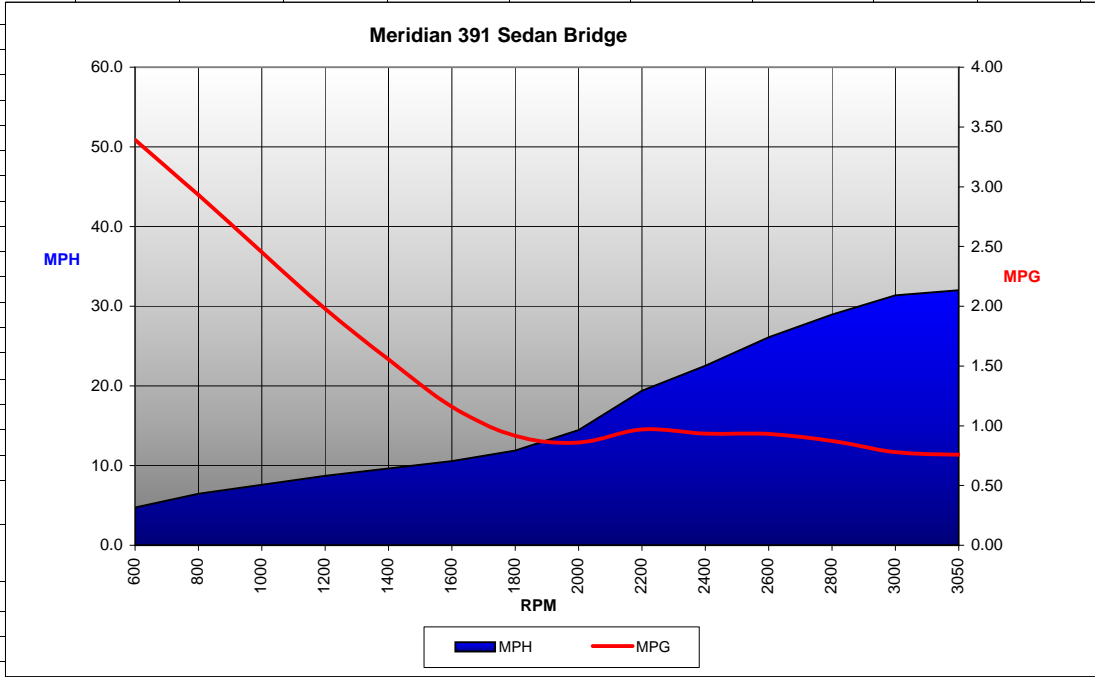


Data Obtained from Captain's Test					
Make:	Meridian	Model:	391 SB	Base Price:	
LOA:	40'11"	Beam:	13'11"	Draft:	2'9"
Mx. Hdrm:		Min Hdrm:		Wt empty:	25,000
Fuel Cap:	350	Fuel Onbd:	87.5	Wt Full:	28,100
H2O Cap:	125	H2O Onbd:	0	POB:	4
Std Power:		Optional Power:		Equip Wt:	100
				Test Wt:	26,325
Deardise:		Bridge Clearance:			
Test Power: (#engines x HP, Maker, Model)			Engine Weight lbs. (ea)	# Engines for Calcs.	Trans: (Brand, Model)
Cummins 425 QSB x 2				2	ZF
Props:	23x26x4		Reduction Ratio:		1.96-1
Temp F	RH	Wind	Seas	Salt/Fresh	
75	70	0	0	salt	
RPM	Speed1	Speed2	Fuel1	Fuel 2	dBa
600	4.1	5.4	0.7	0.7	60
800	5.7	7.2	1.1	1.1	67
1000	7	8.2	1.5	1.6	69
1200	8.1	9.3	2.2	2.2	70
1400	8.9	10.4	3.1	3.1	69
1600	9.8	11.3	4.6	4.5	71
1800	11.3	12.5	6.5	6.5	69
2000	13.9	15	8.5	8.3	74
2200	18.8	20	10.1	9.9	74
2400	22	23.1	12	12.1	73
2600	25.5	26.7	14.1	13.9	75
2800	28.4	29.5	16.7	16.5	76
3000	30.8	31.9	20	20.2	77
3050	31.5	32.5	21	21.2	77
Time to plane:		6.4	5.7	4.8	
Zero to 30					

Calculated Numbers Based on Captains Data								
RPM	MPH	Knots	Tot.GPH	MPG	NMPG	Range	NMRange	dBa
600	4.8	4.1	1.4	3.39	2.95	1069	929	60
800	6.5	5.6	2.2	2.93	2.55	924	803	67
1000	7.6	6.6	3.1	2.45	2.13	772	672	69
1200	8.7	7.6	4.4	1.98	1.72	623	542	70
1400	9.7	8.4	6.2	1.56	1.35	490	426	69
1600	10.6	9.2	9.1	1.16	1.01	365	318	71
1800	11.9	10.3	13.0	0.92	0.80	288	251	69
2000	14.5	12.6	16.8	0.86	0.75	271	236	74
2200	19.4	16.9	20.0	0.97	0.84	306	266	74
2400	22.6	19.6	24.1	0.94	0.81	295	256	73
2600	26.1	22.7	28.0	0.93	0.81	294	255	75
2800	29.0	25.2	33.2	0.87	0.76	275	239	76
3000	31.4	27.3	40.2	0.78	0.68	246	214	77
3050	32.0	27.8	42.2	0.76	0.66	239	208	77
Time to plane:						5.6		
0 to 30						0.0		



NOTES

NOTE: Sound levels are taken from the upper helm. There was no lower. I did another set in the salon, with the engines underneath the salon deck, and the numbers averaged 1dB higher at the low end, and about 4dB higher at the high rpm end.