

QUARTER jr - Version 3.2
Racing Systems Analysis - www.QUARTERjr.com

File: exp.dat

Note: test case for QUARTER jr

General		Torque Converter		Vehicle	
Elevation - feet	680	Stall RPM	6900	Weight - lbs	2250
Barometer - in Hg	29.92	Lock-up option?	No	Rollout - inches	14
Temperature - deg F	86	Diameter - inches	8	Wheelbase - inches	102
Relative Humidity - %	60			Body Style: sedan	
Engine		Transmission Gear Ratios		Frontal Area	
Fuel System: Gasoline Carburetor		2nd -	1.80	sq ft	26.1
Displacement - CID	460	3rd -	1.00		
RPM@ Peak HP	7200			Final Drive	
Peak HP	850			Gear Ratio	4.86
Shift@ RPM	7900			Tire Diameter - inches	33.0
				Tire Width - inches	17.00
				Traction Index	6
Frontal Area Worksheet			Tire Width Worksheet		
Maximum Width - inches	72.0		Tread Width - inches		12.00
Maximum Height - inches	58.0		Number of Grooves		8
Shape Factor - %	90.0		Each Groove Width - inches		0.250

Frontal Area - sq ft =	26.1		Effective Tire Width =		10.00

1.108

Time	Distance	MPH	Acceleration	Gear	RPM
0.00	0	0.0	2.35	1	6,900
0.159/0.00	Rollout	9.5	2.48	1	6,900
0.50	20	34.4	2.03	1	6,900
0.68	30	41.8	1.81	1	6,940
1.00	53	54.0	1.61	1	7,130
1.09	60	57.0	1.56	1	7,180
1.18	68	60.0	1.50	1	7,220
1.50	99	70.0	1.33	1	7,370
1.88	141	79.4	0.92	1	7,900
2.13	171	84.9	0.96	2	6,990
2.50	218	92.0	0.86	2	7,040
2.95	281	100.0	0.79	2	7,100
3.00	289	100.9	0.79	2	7,110
3.27	330	105.5	0.77	2	7,150
3.50	366	109.3	0.73	2	7,170
4.00	449	117.0	0.68	2	7,230
4.50	538	124.1	0.62	2	7,280
5.00	631	130.6	0.59	2	7,330
5.15	660	132.5	0.56	2	7,340
5.50	729	136.7	0.53	2	7,370
6.00	832	142.4	0.50	2	7,410
6.50	938	147.5	0.44	2	7,520
6.78	1000	150.2	0.42	2	7,610
7.00	1048	152.1	0.41	2	7,680
7.50	1161	156.2	0.36	2	7,820
8.00	1277	159.9	0.32	2	7,940
8.18	1320	161.2	0.31	2	7,970

1/8 Mile: 5.15 sec @ 130.3 MPH 1/4 Mile: 8.18 sec @ 160.2 MPH