

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

File: exp_050523.dat

Note: test case for QUARTER jr

General		Torque Converter		Vehicle	
Elevation - feet	1492	Stall RPM	6700	Weight - lbs	2250
Barometer - in Hg	30.08	Lock-up option?	No	Rollout - inches	14
Temperature - deg F	73	Diameter - inches	8	Wheelbase - inches	102
Relative Humidity - %	31			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	7600			Final Drive	
Peak HP	875			Gear Ratio	4.86
Shift@ RPM	7600			Tire Diameter - inches	33.0
				Tire Width - inches	17.00
				Traction Index	7
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

1.090

Time	Distance	MPH	Acceleration	Gear	RPM
0.00	0	0.0	2.50	1	6,700
0.155/0.00	Rollout	9.8	2.62	1	6,700
0.50	21	35.8	2.09	1	6,700
0.66	30	42.7	1.88	1	6,760
1.00	55	55.9	1.64	1	6,950
1.06	60	58.2	1.63	1	6,980
1.11	65	60.0	1.56	1	7,010
1.50	102	72.3	1.25	1	7,270
1.65	118	76.2	1.17	1	7,600
1.90	147	82.0	1.02	2	6,780
2.00	160	84.2	0.95	2	6,790
2.50	225	94.2	0.88	2	6,860
2.81	269	100.0	0.85	2	6,900
3.00	298	103.4	0.81	2	6,920
3.21	330	107.1	0.80	2	6,950
3.50	377	112.0	0.75	2	6,980
4.00	462	119.9	0.69	2	7,040
4.50	552	127.2	0.64	2	7,080
5.00	648	134.0	0.60	2	7,130
5.06	660	134.7	0.60	2	7,130
5.50	749	140.2	0.54	2	7,210
6.00	853	145.8	0.50	2	7,430
6.50	962	151.1	0.46	2	7,640
6.67	1000	152.8	0.47	2	7,700
7.00	1075	155.9	0.41	2	7,810
7.50	1191	160.3	0.38	2	7,970
8.00	1310	164.3	0.34	2	8,100
8.04	1320	164.6	0.36	2	8,110

1/8 Mile: 5.06 sec @ 132.5 MPH 1/4 Mile: 8.04 sec @ 163.5 MPH