

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

File: prostock.dat

Note: test case for QUARTER jr

General		Clutch		Vehicle	
Elevation - feet	400	Slip RPM	7400	Weight - lbs	2355
Barometer - in Hg	29.92	Lock-up option?	No	Rollout - inches	12
Temperature - deg F	70			Wheelbase - inches	105
Relative Humidity - %	30			Body Style: fastback	
Engine		Transmission Gear Ratios		Frontal Area	
Fuel System: Gasoline Carburetor		2nd -	2.60	Frontal Area - sq ft	18.2
Displacement - CID	500	3rd -	1.90	Final Drive	
RPM@ Peak HP	8900	4th -	1.50	Gear Ratio	4.86
Peak HP	1300	5th -	1.20	Tire Rollout - inches	102.5
Shift@ RPM	9300	6th -	1.00	Tire Width - inches	17.30
				Traction Index	2
Frontal Area Worksheet			Tire Width Worksheet		
Maximum Width - inches	66.0		Tread Width - inches	17.30	
Maximum Height - inches	44.0		Number of Grooves	0	
Shape Factor - %	90.0		Each Groove Width - inches	0.000	

Frontal Area - sq ft =	18.2		Effective Tire Width =	17.30	

1.042

Time	Distance	MPH	Acceleration	Gear	RPM
0.00	0	0.0	2.54	1	7,400
0.142/0.00	Rollout	9.2	2.75(s)	1	7,400
0.50	22	39.5	2.73	1	7,400
0.63	30	47.1	2.71	1	7,400
0.87	49	60.0	2.06	1	8,540
0.99	60	65.1	1.84	1	9,200
1.00	61	65.6	1.86	1	9,230
1.01	62	66.1	1.81	1	9,310
1.21	83	76.2	2.16	2	7,830
1.50	118	87.3	1.58	2	8,770
1.69	143	93.4	1.38	2	9,310
1.89	171	100.9	1.64	3	7,920
2.00	188	104.5	1.44	3	8,170
2.50	270	118.8	1.25	3	9,120
2.61	290	121.8	1.15	3	9,300
2.81	326	127.4	1.25	4	7,770
2.83	330	127.9	1.18	4	7,790
3.00	362	132.0	1.12	4	7,970
3.50	463	143.5	1.04	4	8,570
4.00	573	154.2	0.93	4	9,090
4.22	624	158.6	0.85	4	9,310
4.38	660	161.7	0.91	5	8,170
4.42	671	162.6	0.92	5	7,940
4.50	689	164.0	0.86	5	7,980
5.00	813	172.9	0.79	5	8,360
5.50	943	181.3	0.75	5	8,700
5.71	1000	184.7	0.70	5	8,850
6.00	1079	189.1	0.68	5	9,030
6.50	1221	196.3	0.62	5	9,310
6.84	1320	200.8	0.57	5	9,480

1/8 Mile: 4.38 sec @ 159.1 MPH 1/4 Mile: 6.84 sec @ 199.4 MPH