

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

File: supercmp.dat

Note: test case for QUARTER Pro version 3.2

General Data		Engine Dyno Data			Transmission Data			
		RPM	HP	Torque	Torque Converter:			
Elevation - feet	600	3500	260	390	Launch@ RPM	5000		
Barometer - in Hg	29.92	4500	351	410	Stall RPM	5500		
Temperature - deg F	87	5500	438	418	Converter Slippage	1.060		
Relative Humidity - %	35	6500	520	420	Lock-up option?	No		
Wind Velocity - MPH	0.0	7000	538	404	Torque Multiplication	1.70		
Wind Angle - degs	0	7500	521	365				
-----		8000	477	313				
Track Temp - deg F	112	10000	72	38	Gear Ratio	Eff	Shift@	
Traction Index	5	10500	73	37	2nd -	1.76	0.970	7500
		11000	73	35	3rd -	1.00	0.990	100
		11500	72	33				
Vehicle Data		Fuel System:						
Weight - lbs	1700	Gasoline Carburetor						
Wheelbase - inches	225	HP/Torque Multiplier 1.000						
Rollout - inches	12							
Overhang - inches	30							
Final Drive Data								
Gear Ratio	4.56	Aerodynamic Data			Polar Moments of Inertia			
Efficiency	0.970	Frontal Area - sq ft	13.6		Engine+Flexplate+Converter	3.26		
Tire Diameter - inches	32.6	Drag Coefficient	0.500		Transmission + Driveshaft	0.511		
Tire Width - inches	13.20	Lift Coefficient	0.150		Tires + Wheels + Ring Gear	43.6		
1.087	Time	Distance	MPH	Acceleration	Gear	RPM		
	0.00	0	0.0	1.93	1	5,000		
0.170/0.00	Rollout	7.9	1.98	1	5,500			
	0.50	17	28.0	1.64	1	5,500		
	0.76	30	37.0	1.44	1	5,540		
	1.00	44	44.3	1.35	1	5,660		
	1.23	60	50.8	1.26	1	5,770		
	1.50	82	58.1	1.18	1	5,880		
	1.57	88	60.0	1.16	1	5,910		
	2.00	129	69.7	0.98	1	6,470		
	2.50	184	79.7	0.88	1	7,360		
	2.60	195	81.6	0.80	1	7,510		
	2.85	226	86.1	0.81	2	5,710		
	3.00	246	88.5	0.68	2	5,730		
	3.50	313	95.7	0.64	2	5,790		
	3.62	330	97.4	0.64	2	5,800		
	3.81	357	100.0	0.62	2	5,820		
	4.00	386	102.6	0.61	2	5,840		
	4.50	463	109.0	0.57	2	5,890		
	5.00	546	115.1	0.54	2	5,940		
	5.50	632	120.8	0.51	2	6,080		
	5.66	660	122.4	0.49	2	6,160		
	6.00	723	126.1	0.49	2	6,320		
	6.50	817	131.3	0.47	2	6,550		
	7.00	915	136.3	0.44	2	6,750		
	7.42	1000	140.3	0.44	2	6,910		
	7.50	1017	141.0	0.42	2	6,940		
	8.00	1122	145.5	0.41	2	7,110		
	8.50	1230	149.6	0.37	2	7,270		
	8.90	1320	152.7	0.35	2	7,370		

1/8 Mile: 5.66 sec @ 120.4 MPH 1/4 Mile: 8.90 sec @ 151.6 MPH