

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

File: supergas.dat

Note: test case for QUARTER Pro version 3.2

General Data		Engine Dyno Data			Transmission Data			
		RPM	HP	Torque	Torque Converter:			
Elevation - feet	850	3500	267	401	Launch@ RPM	5000		
Barometer - in Hg	29.92	4500	351	410	Stall RPM	5500		
Temperature - deg F	77	5500	432	413	Converter Slippage	1.060		
Relative Humidity - %	30	6500	491	397	Lock-up option?	No		
Wind Velocity - MPH	0.0	7000	500	375	Torque Multiplication	1.70		
Wind Angle - degs	0	7500	468	328				
-----		8000	421	276				
Track Temp - deg F	102	10000	72	38	Gear Ratio	Eff	Shift@	
Traction Index	5	10500	73	37	2nd -	1.76	0.970	7600
		11000	73	35	3rd -	1.00	0.990	100
Vehicle Data		11500	72	33				
Weight - lbs	2300	Fuel System:						
Wheelbase - inches	103				Gasoline Carburetor			
Rollout - inches	12				HP/Torque Multiplier	1.000		
Overhang - inches	30							
Final Drive Data								
Gear Ratio	5.14	Aerodynamic Data			Polar Moments of Inertia			
Efficiency	0.970	Frontal Area - sq ft	22.1		Engine+Flexplate+Converter	3.26		
Tire Diameter - inches	32.4	Drag Coefficient	0.400		Transmission + Driveshaft	0.511		
Tire Width - inches	14.40	Lift Coefficient	0.250		Tires + Wheels + Ring Gear	52.7		
1.075	Time	Distance	MPH	Acceleration	Gear	RPM		
	0.00	0	0.0	1.62	1	5,000		
0.185/0.00	Rollout	7.2	1.64	1	5,500			
0.50	16	24.0	1.38	1	5,500			
0.84	30	33.6	1.20	1	5,550			
1.00	38	37.8	1.13	1	5,630			
1.35	60	46.1	1.05	1	5,780			
1.50	71	49.5	0.99	1	5,840			
2.00	111	59.4	0.77	1	6,230			
2.03	114	60.0	0.81	1	6,280			
2.50	157	67.7	0.73	1	7,040			
2.91	199	73.5	0.61	1	7,600			
3.16	227	77.3	0.67	2	5,720			
3.50	267	81.5	0.55	2	5,750			
4.00	329	87.4	0.52	2	5,810			
4.01	330	87.5	0.53	2	5,810			
4.50	395	92.9	0.49	2	5,860			
5.00	465	98.2	0.46	2	5,910			
5.18	492	100.0	0.45	2	5,930			
5.50	539	103.1	0.44	2	5,960			
6.00	616	107.7	0.41	2	6,140			
6.27	660	110.0	0.41	2	6,260			
6.50	697	112.0	0.39	2	6,360			
7.00	781	116.2	0.37	2	6,570			
7.50	867	120.2	0.35	2	6,760			
8.00	957	124.0	0.34	2	6,940			
8.23	1000	125.7	0.33	2	7,020			
8.50	1049	127.5	0.32	2	7,100			
9.00	1144	130.8	0.29	2	7,250			
9.50	1241	133.8	0.26	2	7,370			
9.90	1320	136.0	0.24	2	7,460			

1/8 Mile: 6.27 sec @ 108.2 MPH    1/4 Mile: 9.90 sec @ 135.1 MPH