

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

File: gascoupe.dat

Note: test case for Bonneville Pro 3.2

General Data		Engine Dyno Data			Transmission Data			
		RPM	HP	Torque	Clutch:			
Elevation - feet	4500	6700	1030	807	Slip RPM			7200
Barometer - in Hg	29.92	7200	1100	802	Clutch Slippage			1.005
Temperature - deg F	75	7600	1140	788	Lock-up option?			No
Relative Humidity - %	55	8200	1190	762				
Wind Velocity - MPH	5.0	8500	1200	741				
Wind Angle - degs	90	8800	1180	704	Gear Ratio		Eff	Shift@
-----		9100	1080	623	2nd -	2.40	0.990	8900
Track: Bonneville - 5 Miles		9300	950	537	3rd -	1.99	0.991	9000
Traction Index	5	Fuel System: Gasoline Carburetor			4th -	1.59	0.992	9000
		HP/Torque Multiplier 1.000			5th -	1.24	0.993	9000
					6th -	1.00	0.994	0
Vehicle Data								
Weight - lbs	2350							
Wheelbase - inches	110							

Final Drive Data

Gear Ratio 3.10

Efficiency 0.970

Tire Rollout - inches 103.0

Tire Width - inches 10.00

Aerodynamic Data

Frontal Area - sq ft 19.5

Drag Coefficient 0.290

Lift Coefficient 0.600

1.266

Time	Distance	MPH	Acceleration	Gear	RPM
0.00	0.00	0.0	1.16	1	7,200
3.38	0.05	100.0	1.08	1	8,000
3.88	0.06	111.2	0.93	1	8,900
4.08	0.07	115.7	0.99	2	7,670
5.18	0.11	136.0	0.71	2	9,000
5.38	0.12	139.3	0.75	3	7,370
7.63	0.21	170.5	0.50	3	9,000
7.83	0.22	172.7	0.50	4	7,200
10.00	0.33	194.2	0.41	4	7,980
10.66	0.37	200.0	0.39	4	8,220
13.27	0.52	218.9	0.25	4	8,990
13.47	0.54	220.0	0.25	5	7,280
20.00	0.96	247.8	0.15	5	8,190
20.56	1.00	249.5	0.14	5	8,250
30.00	1.68	267.4	0.04	5	8,830
34.25	2.00	270.1	0.02	5	8,920
40.00	2.43	271.4	0.01	5	8,960
40.89	2.50	271.5	0.00	5	8,960
47.52	3.00	272.1	0.00	5	8,980
50.00	3.19	272.3	0.00	5	8,990
54.12	3.50	272.7	0.00	5	9,000
60.00	3.95	273.2	0.00	5	9,020
60.72	4.00	273.3	0.00	5	9,020
67.30	4.50	273.9	0.00	5	9,040
70.00	4.71	274.1	0.00	5	9,050
73.86	5.00	274.4	0.00	5	9,060