Bonneville Pro - Version 3.2

Racing Systems Analysis - www.QUARTERjr.com

File: lakester.dat
Note: test case for Bonneville Pro 3.2

General Data

Elevation - feet	0
Barometer - in Hg	29.92
Temperature - deg F	77
Relative Humidity - %	45
Wind Velocity - MPH	0.0
Wind Angle - degs	0

Track: Bonneville - 3 Miles
Traction Index 7

Vehicle Data

Weight - lbs	1980
Wheelbase - inches	205

Engine Dyno Data

RPM	HP	Torque
6000	1445	1265
6500	1604	1296
7000	1768	1327
7500	1937	1356
8000	2083	1368
8500	2146	1326
9000	2100	1225
9500	1832	1013
10000	1436	754

Fuel System:
Supercharged Methanol
HP/Torque Multiplier 1.000

Transmission Data

Clutch:	
Slip RPM	6600
Clutch Slippage	1.010
Lock-up option?	No

Gear	Ratio	Eff	Shift@
2nd -	1.96	0.960	9400
3rd -	1.35	0.975	9600
4th -	1.00	0.990	100

Final Drive Data

Gear Ratio	3.20
Efficiency	0.970
Tire Rollout - inches	113.0
Tire Width - inches	10.00

Aerodynamic Data

Frontal Area - sq ft	16.2
Drag Coefficient	0.580
Lift Coefficient	0.400

1.040

Time	Distance	MPH	Acceleration	Gear	RPM
0.00	0.00	0.0	1.74(s)	1	6,600
2.53	0.04	100.0	1.68(s)	1	6,600
3.00	0.05	116.5	1.58	1	7,330
3.97	0.09	149.8	1.50	1	9,400
4.17	0.10	155.7	1.34	2	6,730
5.79	0.18	200.0	1.10	2	8,620
6.00	0.19	204.8	1.02	2	8,830
7.06	0.25	223.0	0.56	2	9,600
7.26	0.26	225.8	0.63	3	7,200
9.00	0.38	247.4	0.52	3	7,880
10.72	0.50	264.4	0.38	3	8,410
12.00	0.60	273.6	0.28	3	8,700
15.00	0.83	285.8	0.11	3	9,080
17.13	1.00	289.0	0.04	3	9,190
18.00	1.07	289.7	0.03	3	9,210
21.00	1.31	290.8	0.01	3	9,240
23.33	1.50	291.1	0.00	3	9,250
24.00	1.55	291.1	0.00	3	9,250
27.00	1.80	291.4	0.00	3	9,260
29.50	2.00	291.6	0.00	3	9,270
30.00	2.04	291.7	0.00	3	9,270
32.59	2.25	291.9	0.00	3	9,270
33.00	2.28	291.9	0.00	3	9,280
35.67	2.50	292.2	0.00	3	9,280
36.00	2.53	292.2	0.00	3	9,280
38.75	2.75	292.4	0.00	3	9,290
39.00	2.77	292.4	0.00	3	9,290
41.83	3.00	292.7	0.00	3	9,300