

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

File: tadrag.dat

Note: test case for QUARTER Pro version 3.2

General Data		Engine Dyno Data			Transmission Data			
Elevation - feet	0	RPM	HP	Torque	Clutch:			
Barometer - in Hg	29.92	6000	1847	1617	Launch@ RPM	6000		
Temperature - deg F	77	6500	2058	1663	Slip RPM	7200		
Relative Humidity - %	45	7000	2256	1693	Clutch Slippage	1.010		
Wind Velocity - MPH	0.0	7500	2458	1721	Lock-up option?	No		
Wind Angle - degs	0	8000	2639	1733				
		8500	2729	1686				
Track Temp - deg F	110	9000	2672	1559	Gear Ratio	Eff	Shift@	
Traction Index	2	9500	2415	1335	2nd -	1.85	0.970	9200
		10000	1999	1050	3rd -	1.30	0.980	9400
		11000	73	35	4th -	1.00	0.990	100
Vehicle Data								
Weight - lbs	1980	11500	72	33				
Wheelbase - inches	280	Fuel System:						
Rollout - inches	12	Supercharged Methanol						
Overhang - inches	30	HP/Torque Multiplier 1.000						
Final Drive Data								
Gear Ratio	4.56	Aerodynamic Data			Polar Moments of Inertia			
Efficiency	0.970	Frontal Area - sq ft	19.5	Engine + Flywheel + Clutch	4.84			
Tire Rollout - inches	110.0	Drag Coefficient	0.580	Transmission + Driveshaft	0.426			
Tire Width - inches	17.00	Lift Coefficient	0.400	Tires + Wheels + Ring Gear	64.6			
1.040	Time	Distance	MPH	Acceleration	Gear	RPM		
	0.00	0	0.0	3.25(s)	1	6,000		
0.146/0.00	Rollout	10.3	3.38(s)	1	7,200			
0.25	11	29.2	3.36(s)	1	7,200			
0.50	25	47.6	3.32	1	7,200			
0.56	30	52.3	3.31	1	7,200			
0.67	39	60.0	3.29	1	7,200			
0.75	46	65.8	3.26(s)	1	7,200			
0.88	60	75.4	3.25	1	7,200			
1.00	74	83.7	3.22	1	7,670			
1.23	105	100.0	3.16	1	9,050			
1.25	107	101.2	3.11	1	9,130			
1.26	109	102.0	3.06	1	9,210			
1.46	141	116.5	3.12(s)	2	7,370			
1.50	148	119.1	2.97	2	7,430			
1.75	194	134.0	2.62	2	8,160			
2.00	246	147.8	2.40	2	8,820			
2.25	303	159.9	2.04	2	9,340			
2.28	309	161.0	1.93	2	9,410			
2.36	330	165.0	1.98	3	8,420			
2.48	358	170.2	2.01	3	7,620			
2.50	363	171.1	1.92	3	7,640			
2.75	428	180.9	1.72	3	7,970			
3.00	496	190.2	1.62	3	8,310			
3.25	567	198.9	1.51	3	8,620			
3.50	642	206.8	1.34	3	8,890			
3.56	660	208.6	1.33	3	8,920			
3.75	719	214.0	1.24	3	9,110			
4.00	799	220.3	1.05	3	9,300			
4.25	881	225.8	0.92	3	9,450			
4.50	964	230.5	0.79	3	9,590			
4.61	1000	232.3	0.73	3	9,640			
4.75	1050	234.6	0.67	3	9,690			
5.00	1136	238.1	0.58	3	9,790			
5.25	1224	241.1	0.50	3	9,860			
5.50	1313	243.8	0.43	3	9,940			
5.52	1320	244.0	0.46	3	9,930			

1/8 Mile: 3.56 sec @ 205.3 MPH 1/4 Mile: 5.52 sec @ 243.1 MPH