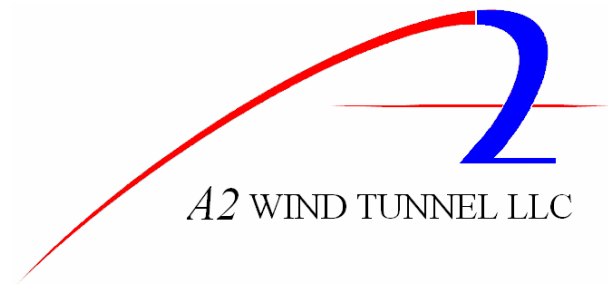


# BONNEVILLE SPEED REPORT

**CUSTOMER:** GARY EAKER

**REPORT DATE:** 2008-08-12

**VEHICLE:** LANDSPEED 1988 PONTIAC TRANS-AM



**CONFIG.1:** Baseline of the model: Stock production 1988 Pontiac Trans-Am.

**CONFIG.2:** Optimized configuration for maximum drag reduction.

**CONFIG.3:** Configuration.2 + 300 lbs added to static rear wheel weight to see effect.

## CONFIG.1:

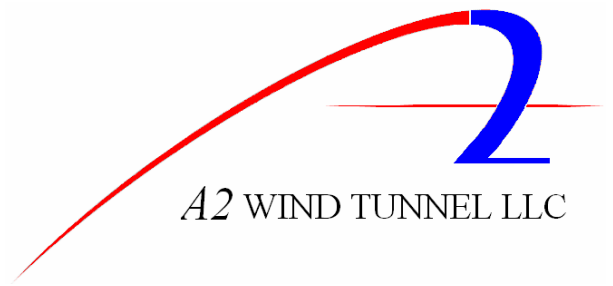
Horse Power (crank)	1150
Lb front	1600
Lb rear (incl.accel wt.transfer)	2800
C <sub>SF</sub> Surface Friction	0.55
C <sub>RR</sub> Rolling Resistance	0.01
Drive .Efficiency	0.9
Altitude (ft) > Aero effect	4200
PSI engine boost	20
Barometer (In.Hg)	29.92
Deg F	100
% Relative Humidity	50
Area (m <sup>2</sup> )	2
C <sub>D</sub>	.310
C <sub>LF</sub>	.200
C <sub>LR</sub>	.150

## CONFIG.1 RESULTS:

DISTANCE	TIME	SPEED	WHEEL SPIN
1 MILE	32.80	198.28	Y
2 MILE	49.00	244.66	Y
3 MILE	63.00	265.45	Y
4 MILE	76.30	275.82	Y
<b>5 MILE</b>	<b>89.20</b>	<b>281.11</b>	<b>Y</b>

**TIMED MILE AVE = 278.74 mph**

# BONNEVILLE SPEED REPORT



A2 WIND TUNNEL LLC

CONFIG.2:

Horse Power (crank)	1150
Lb front	1600
Lb rear (incl.accel wt.transfer)	2800
C <sub>sf</sub> Surface Friction	0.55
C <sub>RR</sub> Rolling Resistance	0.01
Drive .Efficiency	0.9
Altitude (ft) > Aero effect	4200
PSI engine boost	20
Barometer (In.Hg)	29.92
Deg F	100
% Relative Humidity	50
Area (m <sup>2</sup> )	2
C <sub>D</sub>	.240
C <sub>LF</sub>	.150
C <sub>LR</sub>	.130

CONFIG.2 RESULT:

DISTANCE	TIME	SPEED	WHEEL SPIN
1 MILE	32.60	204.56	Y
2 MILE	48.00	257.32	Y
3 MILE	61.20	284.02	Y
4 MILE	73.50	298.83	Y
<b>5 MILE</b>	<b>85.40</b>	<b>307.38</b>	<b>Y</b>

**TIMED MILE AVE = 303.47mph**

*G.EAKER AVESPEED= 296.15 mph*

*RUN #1 SCTA OCT 1989*

CONFIG.3:

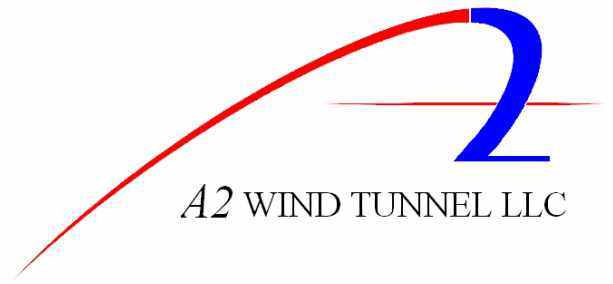
Horse Power (crank)	1150
Lb front	1600
Lb rear (incl.accel wt.transfer)	3100
C <sub>sf</sub> Surface Friction	0.55
C <sub>RR</sub> Rolling Resistance	0.01
Drive .Efficiency	0.9
Altitude (ft) > Aero effect	4200
PSI engine boost	20
Barometer (In.Hg)	29.92
Deg F	100
% Relative Humidity	50
Area (m <sup>2</sup> )	2
C <sub>D</sub>	.240
C <sub>LF</sub>	.150
C <sub>LR</sub>	.130

CONFIG.3 RESULT:

DISTANCE	TIME	SPEED	WHEEL SPIN
1 MILE	31.90	209.75	Y
2 MILE	47.00	261.48	N
3 MILE	60.00	289.35	N
4 MILE	72.10	307.04	N
<b>5 MILE</b>	<b>83.50</b>	<b>318.24</b>	N

**TIMED MILE AVE = 313.05mph**

# BONNEVILLE SPEED REPORT



GARY EAKER (1988 PONTICA TA)  
(C1 = Config.1, C2=Config.2, C3=Config.3)

