



# Engine Certification Form

Entrant/Owner: John A. Orzechowski

Engine Manufacturer: FORD

Vehicle Make/Model/Year Ford / Thunderbird / 1997

Engine Serial Number

5T012

Year of Manufacture

1996

Block Material

Cast Iron

Head Material

Aluminium

Induction: Type, Model, Butterfly Diameter Carburetor, Holley 750CFM,

Actual Bore (in)

4.038

Actual Stroke (in)

3.5

Calculated Displacement

358 in<sup>3</sup>

(Pi/4 X bore (squared) X stroke X number of cylinders)

Actual Displacement (in<sup>3</sup>)

358.57 in<sup>3</sup>

HSR Class in which you will use this engine

C14/Historic Stock Car

I hereby certify the information provided on this form to be correct.

Signed by Engine Builder

3-22-03

Date

L & B ENGINE DEV.

Engine Builder Company Name

Signed by Engine Owner/Entrant

3-22-03

Date

### Instructions:

1. This form is to be completed by the engine builder and owner/entrant.
2. Please complete all spaces.
3. Actual dimensions are required.
4. HSR's Class structure is based on engine displacement which must be disclosed with certainty. Failure to do so may result in suspension of the owner's driving privileges for one year, loss of all points and other penalties.
5. Formula for calculating Displacement:  $\text{Pi}/4 \times \text{Bore (squared)} \times \text{Stroke} \times \text{Number of cylinders}$ . Measurement in  $\text{cm}^3$ .

## ENGINE MAINTENANCE WORKSHEET

DATE: 3-22-03  
 HOBBS: AFTER DYNO @ ZEB

HOT LASH SETTING: 0.016" - I / 0.020" - E  
 COLD LASH SETTING: 0.012" - I / 0.014" - E

	<u>Spring PSI</u>	<u>Lash HOT</u>	<u>Lash COLD</u>
#5 - E		20	
#5 - I		16	
#6 - E		20	
#6 - I		16	
#7 - E		20	
#7 - I		16	
#8 - E		20	
#8 - I		16	

	<u>Spring PSI</u>	<u>Lash HOT</u>	<u>Lash COLD</u>
#1 - I		16	
#1 - E		20	
#2 - I		16	
#2 - E		20	
#3 - I		16	
#3 - E		20	
#4 - I		16	
#4 - E		20	

	<u>LEAK DOWN PSI</u>	<u>COMP PSI</u>
#5	12	178
#6	11	177
#7	13	175
#8	12	177

	<u>LEAK DOWN PSI</u>	<u>COMP PSI</u>
#1	13	174
#2	11	177
#3	11	175
#4	13	178

NOTES: ENGINE INSTALLED IN CAR 3-29-03  
HOBBS START = 11.4

\*OIL SAMPLE TAKEN

CARB SETTING \*(110 SUNOCO) P=73's S=86's  
(AVGAS) P=75's S=88's



# MOBILE OIL ANALYSIS REPORT

CONTAMINATION  
WEAR  
OIL CONDITION

NORMAL
ABNORMAL
NORMAL

## 11 - Front Gasoline Engine

Unit Make : FORD  
 Unit Model : THUNDERBIRD  
 Comp Make : FORD  
 Comp Model : 351 SV0

Serial No : JT012  
 Cust. Ref No. : {n/a}  
 Stub No. : WC-M1047375

Date Rec'd : Apr 8, 2003  
 Sample Date : Mar 22, 2003  
 Diagnostician : Mark Brinson

### RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Sample Date	Current	UOM
Time on Unit	1.5	hrs
Time on Oil	1.5	hrs
Time on Fltr	1.5	hrs
Oil Maint.	n/a	---
Filter Maint.	changed	---

### CONTAMINATION

There is no indication of any contamination in the component.

Sample Date	Current	Abn
Silicon	9.5	
Potassium	0.0	
Sodium	2.3	
Fuel (%)	<2.0	
Glycol (%)	<0.02	
Water (%)	<0.1	
Soot (%)	0	
Sulfation	0	
Nitration	0	

### WEAR

The lead level is abnormal. All other component wear rates are normal.

Sample Date	Current	Abn
Iron	7.2	---
Nickel	0.7	---
Chromium	0.3	---
Titanium	1.8	---
Copper	1.5	---
Aluminum	3.2	---
Tin	0.0	---
Lead	101	---
Silver	0.0	---

### OIL CONDITION

Oil Type: 22 QTS of CASTROL GTX 20W50

The condition of the oil is acceptable for the time in service.

Sample Date	Current	Base
Boron	2.1	
Barium	0.0	
Calcium	1238	
Magnesium	2.7	
Molybdenum	34	
Sodium	2.3	
Phosphorus	645	
Sulfur	3156	
Zinc	658	
Visc@40°C	---	153
Visc@100°C	17.8	19.1
Oxidation	15	---

# CHASSIS SETUP SHEET

DATE: 4-24-03  
CAR: BGN Thunderbird - #11  
TRACK: ROAD ATLANTA  
WEATHER: \_\_\_\_\_  
TEMPERATURE: \_\_\_\_\_

<u>LF</u>	
Tire Pressure:	<u>32 PSI</u>
Tire Size:	<u>D5704</u>
Shock Compression:	<u>160</u>
Shock Rebound:	<u>350</u>
Spring Rate:	<u>1000#</u>
Camber:	<u>-2.75°</u>
Caster:	<u>+4.25°</u>
Ride Height:	<u>5.75"</u>

<u>RF</u>	
Tire Pressure:	<u>32 PSI</u>
Tire Size:	<u>D5704</u>
Shock Compression:	<u>160</u>
Shock Rebound:	<u>350</u>
Spring Rate:	<u>1000#</u>
Camber:	<u>-2.50°</u>
Caster:	<u>+4.25°</u>
Ride Height:	<u>5.75"</u>

Front Brake Bias: 0  
Front Toe-Out: 1/8"  
Front Sway Bar: \_\_\_\_\_  
Rear End Ratio: 3.89:1  
Fuel Level: FULL

<u>LR</u>	
Tire Pressure:	<u>32 PSI</u>
Tire Size:	<u>D5704</u>
Shock Compression:	<u>110</u>
Shock Rebound:	<u>275</u>
Spring Rate:	<u>250#</u>
Camber:	<u>-1.50°</u>
Ride Height:	<u>6.75"</u>

<u>RR</u>	
Tire Pressure:	<u>32 PSI</u>
Tire Size:	<u>D5704</u>
Shock Compression:	<u>110</u>
Shock Rebound:	<u>275</u>
Spring Rate:	<u>250#</u>
Camber:	<u>-1.50°</u>
Ride Height:	<u>6.75"</u>

LF Weight: 891

RF Weight: 890

LR Weight: 888

RR Weight: 810

Cross Weight %: 51.1

Rear %: 48.8

NOTES: 4-13-03 ADDED (3) 47# LEAD BARS TO  
RIGHT SIDE FRAME RAIL

\* TOTAL WEIGHT WITH DRIVER = 3475 #



**DRAG LINK SETTINGS:**

LF - OUT

1/8"

LF - IN

0"

RF - IN

1/16" down

RF - OUT

FIXED

**BUMP MEASUREMENTS:**

LEFT FRONT

<u>BUMP</u>	<u>TRAVEL</u>	<u>REBOUND</u>
0.000	0.00	0.000
_____	0.25	_____
_____	0.50	_____
_____	0.75	_____
_____	1.00	_____
_____	1.25	_____
_____	1.50	_____
_____	1.75	_____
_____	2.00	_____
_____	2.25	_____
_____	2.50	_____
_____	2.75	_____
_____	3.00	_____

RIGHT FRONT

<u>BUMP</u>	<u>TRAVEL</u>	<u>REBOUND</u>
0.000	0.00	0.000
_____	0.25	_____
_____	0.50	_____
_____	0.75	_____
_____	1.00	_____
_____	1.25	_____
_____	1.50	_____
_____	1.75	_____
_____	2.00	_____
_____	2.25	_____
_____	2.50	_____
_____	2.75	_____
_____	3.00	_____

Track/Event: ROAD ATLANTA MITTY '03

Date: 4-25-03 Time: 3:40 pm

Weather & Conditions: PARTLY CLOUDY 70°

### Lap Times:

1) 1 (m) 42.56 (s)

2) 1 (m) 40.91 (s)

3) 1 (m) 39.72 (s)

4) 1 (m) 41.50 (s)

5) 1 (m) 40.28 (s)

6) 1 (m) 42.28 (s)

7) 1 (m) 40.83 (s)

8) 1 (m) 41.01 (s)

9) 1 (m) 42.50 (s)

10) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

11) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

12) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

13) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

14) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

15) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

16) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

17) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

18) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

19) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

20) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

### LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 24 (psi) Hot: 29 (psi)

### RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 24 (psi) Hot: 29 (psi)

### LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 22 (psi) Hot: 27 (psi)

### RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 22 (psi) Hot: 27 (psi)

### Notes:

FULL FUEL CELL  
USED 6 GALLONS  
\*QUALIFY FOR SATURDAY

HOBBS  
START: 11.9  
STOP: 14.6

Track/Event: ROAD ATLANTA MITTY '03

Date: 4-26-03 Time: 10:55

Weather & Conditions: SUNNY & CLEAR

### Lap Times:

1) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

2) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

3) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

4) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

5) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

6) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

7) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

8) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

9) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

10) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

11) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

12) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

13) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

14) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

15) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

16) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

17) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

18) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

19) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

20) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

### LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 24 (psi) Hot: \_\_\_\_ (psi)

### RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 24 (psi) Hot: \_\_\_\_ (psi)

### LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 22 (psi) Hot: \_\_\_\_ (psi)

### RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 22 (psi) Hot: \_\_\_\_ (psi)

### Notes:

QUALIFY FOR SUNDAY

HOBBS

START: 14.6

STOP: 15.1

# Group 8 Practice 1

Licensed To:

03 Mitty at: Road Atlanta(2.540 miles)

Date: 4/25/03  
Time: 10:29 AM

Joni Phillips Lefter  
1520 Beach Dr NE  
St. Petersburg, FL 33704

## Results

Pos.	CL	No.	Name	Car Type	City, State	Class	Best	In	miles/h	2nd Best
1	1	66	Michael Ciasulli	98 Taurus, 5794	Green Brook, NJ	C10	1:34.911	7	96.343	1:36.190
2	2	25	David Lewis	89 Cutlass, 5917	Jacksonville, FL	C10	1:44.149	6	87.797	1:44.866
3	3	11	John Orzechowski	97 Thunderbird, 5927	Gaithersburg, MD	C10	1:44.382	6	87.601	1:45.692
4	4	28	Wayne Otto	90 Lumina, 5917	Watchung, NJ	C10	2:18.631	1	65.959	-----
5	5	27	Steve Collins	89 Grand Prix, 5917	Moore, SC	C10	-----	-	-	-----
6	6	50	Larry Stepp	86 Grand Prix, 5794	Woodstock, GA	C10	-----	-	-	-----
7	7	2	John Cloud	94 Thunderbird, 5917	Medina, OH	C10	-----	-	-	-----
8	8	251	D. Law/ J. Cloud	93 Lumina, 5917	Wellington, OH	C10	-----	-	-	-----
9	9	2	Darren Law	93 Grand Prix, 5927	Wellington, OH	C10	-----	-	-	-----
10	10	30	Scott Murphy	93 Grand Prix, 5927	Thomasville, NC	C10	-----	-	-	-----
11	11	21	Dale Phelon	89 Thunderbird, 5927	Aiken, SC	C10	-----	-	-	-----
12	12	144	Jack Finch	98 Monte Carlo, 5927	Thomasville, NC	C10	-----	-	-	-----
13	13	7	Michael Goodman	92 Lumina, 4536	Alpharetta, GA	C10	-----	-	-	-----
14	14	77	Ed Bull	98 Taurus, 5927	Chapin, SC	C10	-----	-	-	-----
15	15	00	Larry Carroll	96 Monte Carlo, 4264	Montchonin, DE	C10	-----	-	-	-----
16	16	20	Tom Carson	93 Lumina, 5927	Hunt Valley, MD	C10	-----	-	-	-----
17	17	12	Donald Soenen	98 Taurus, 5868	Livonia, MI	C10	-----	-	-	-----
18	18	83	Lake Speed	93 Thunderbird, 5868	Kannapolis, NC	C10	-----	-	-	-----
19	19	94	John Woerheide	96 Taurus, 5868	Atlanta, GA	C10	-----	-	-	-----
20	20	41	E. Otto/ D. Shell	93 Lumina, 5917	Boca Raton, FL	C10	-----	-	-	-----
21	21	8	Gene Felton	98 Monte Carlo, 5927	Roswell, GA	C10	-----	-	-	-----
22	22	33	Aaron Dudley	93 Lumina, 5927	Thomasville, NC	C10	-----	-	-	-----

#7M Did Not Hit

Chief of Timing & Scoring:

Signed: *Keri Belin*

Date: 4/25/03

# Little Joe's Qualifying Round 5

Licensed To:

Joni Phillips Lefter  
1520 Beach Dr NE  
St. Petersburg, FL 33704

03 Mitty at: Road Atlanta(2.540 miles)

Date: 4/25/03  
Time: 4:33 PM

## Results

Pos.	CL	No.	Name	Car Type	City, State	Class	Best	In	miles/h	2nd Best
1	1	21	Dale Phelon	89 Thunderbird, 5927	Aiken, SC	C10	1:28.741	2	103.041	1:29.488
2	2	8	Gene Felton	98 Monte Carlo, 5927	Roswell, GA	C10	1:29.799	3	101.827	1:30.066
3	3	33	Aaron Dudley	93 Lumina, 5927	Thomasville, NC	C10	1:30.093	8	101.495	1:30.435
4	4	30	Scott Murphy	93 Grand Prix, 5927	Thomasville, NC	C10	1:30.238	2	101.332	1:30.559
5	5	66	Michael Ciasulli	98 Taurus, 5794	Green Brook, NJ	C10	1:30.366	3	101.189	1:31.121
6	6	12	Donald Soenen	98 Taurus, 5868	Livonia, MI	C10	1:31.008	4	100.475	1:31.222
7	7	83	Lake Speed	93 Thunderbird, 5868	Kannapolis, NC	C10	1:31.705	2	99.711	1:31.823
8	8	27	Steve Collins	89 Grand Prix, 5917	Moore, SC	C10	1:31.829	2	99.576	1:32.887
9	9	251	D. Law/ J. Cloud	93 Lumina, 5917	Wellington, OH	C10	1:31.995	3	99.397	1:32.971
10	10	144	Jack Finch	98 Monte Carlo, 5927	Thomasville, NC	C10	1:32.023	2	99.366	1:32.295
11	11	44	Maurice Hull		High Point, NC	C10	1:32.666	8	98.677	1:32.936
12	12	2	John Cloud	94 Thunderbird, 5917	Medina, OH	C10	1:32.973	1	98.351	1:33.212
13	13	28	Wayne Otto	90 Lumina, 5917	Watchung, NJ	C10	1:36.404	4	94.851	1:36.694
14	14	7	Michael Goodman	92 Lumina, 4536	Alpharetta, GA	C10	1:36.448	4	94.808	1:36.525
15	15	50	Larry Stepp	86 Grand Prix, 5794	Woodstock, GA	C10	1:37.287	6	93.990	1:37.525
16	16	41	E. Otto/ D. Shell	93 Lumina, 5917	Boca Raton, FL	C10	1:38.046	6	93.262	1:38.252
17	17	77	Ed Bull	98 Taurus, 5927	Chapin, SC	C10	1:38.737	8	92.610	1:39.519
18	18	00	Larry Carroll	96 Monte Carlo, 4264	Montchonin, DE	C10	1:39.577	6	91.828	1:40.234
19	19	11	John Orzechowski	97 Thunderbird, 5927	Gaithersburg, MD	C10	1:39.788	3	91.634	1:40.524
20	20	25	David Lewis	89 Cutlass, 5917	Jacksonville, FL	C10	1:41.001	1	90.534	1:41.229
21	21	20	Tom Carson	93 Lumina, 5927	Hunt Valley, MD	C10	1:41.619	6	89.983	1:41.786
22	22	2	Darren Law	93 Grand Prix, 5927	Wellington, OH	C10	----	-	-	----
23	23	77	Ed Bull	98 Taurus, 5927	Chapin, SC	C10	----	-	-	----
24	24	94	John Woerheide	96 Taurus, 5868	Atlanta, GA	C10	----	-	-	----

\* 32 - Non-Detect

Chief of Timing & Scoring:

Signed: *Kim Belski*

Date: 4/25/03

# Little Joe's Qualifying Round 6

Licensed To:

003 Mitty at: Road Atlanta(2.540 miles)

Joni Phillips Letter

1520 Beach Dr NE

St. Petersburg, FL 33704

Results

Date: 4/26/03

Time: 11:35 AM

Pos.	CL	No.	Name	Car Type	City,State	Class	Best	In	miles/h	2nd Best
1	1	21	Dale Phelon	89 Thunderbird, 5927	Aiken, SC	C10A	1:29.576	2	102.081	1:30.838
2	1	66	Michael Ciasulli	98 Taurus, 5794	Green Brook, NJ	C10C	1:29.918	2	101.693	1:30.295
3	2	8	Gene Felton	98 Monte Carlo, 5927	Roswell, GA	C10C	1:29.947	5	101.660	1:30.180
4	2	30	Scott Murphy	93 Grand Prix, 5927	Thomasville, NC	C10A	1:29.964	2	101.641	1:30.140
5	3	33	Aaron Dudley	93 Lumina, 5927	Thomasville, NC	C10A	1:30.034	2	101.562	1:30.974
6	4	83	Lake Speed	93 Thunderbird, 5868	Kannapolis, NC	C10A	1:30.357	3	101.199	1:30.522
7	3	144	Jack Finch	98 Monte Carlo, 5927	Thomasville, NC	C10C	1:30.486	2	101.054	1:31.766
8	4	12	Donald Soenen	98 Taurus, 5868	Livonia, MI	C10C	1:30.762	7	100.747	1:30.795
9	5	27	Steve Collins	89 Grand Prix, 5917	Moore, SC	C10A	1:31.790	5	99.619	1:31.976
10	1	44	Maurice Hull	88 Cutlass, 5868	High Point, NC	C10B	1:33.092	2	98.225	1:33.966
11	6	7	Michael Goodman	92 Lumina, 4536	Alpharetta, GA	C10A	1:34.883	7	96.371	1:34.922
12	7	251	D. Law/ J. Cloud	93 Lumina, 5917	Wellington, OH	C10A	1:35.270	2	95.980	1:37.706
13	8	28	Wayne Otto	90 Lumina, 5917	Watchung, NJ	C10A	1:36.795	2	94.468	1:37.501
14	9	41	Edgar Otto	93 Lumina, 5917	Boca Raton, FL	C10A	1:37.749	6	93.546	1:38.160
15	5	00	Larry Carroll	96 Monte Carlo, 4264	Montchonin, DE	C10C	1:37.842	10	93.457	1:38.693
16	2	50	L. Stepp/ J. Widdle	86 Grand Prix, 5794	Woodstock, GA	C10B	1:38.007	3	93.299	1:38.094
17	3	20	Tom Carson	93 Lumina, 5927	Hunt Valley, MD *	C10B	1:39.556	8	91.848	1:40.084
18	4	25	David Lewis	89 Cutlass, 5917	Jacksonville, FL	C10B	1:42.609	2	89.115	1:45.709
19	6	11	John Orzechowski	97 Thunderbird, 5927	Gaithersburg, MD	C10C	1:42.716	2	89.022	1:51.439
20	7	77	Ed Bull	98 Taurus, 5927	Chapin, SC	C10C	1:49.203	5	83.734	1:52.650
	10	2	John Cloud	94 Thunderbird, 5917	Medina, OH	C10A	----	-	-	----
	1	32	J. Peters/ D. Lackey	Silverado, 5729	Clemson, SC	C10	----	-	-	----
23	8	94	John Woerheide	96 Taurus, 5868	Atlanta, GA	C10C	----	-	-	----

Chief of Timing & Scoring:

Signed: *Kim Belin*

Date: 4/26/03

# CHASSIS SETUP SHEET

DATE: 6-20-03  
CAR: BGN Thunderbird - #11  
TRACK: SUMMIT POZZI  
WEATHER: \_\_\_\_\_  
TEMPERATURE: \_\_\_\_\_

<b>LF</b>	
Tire Pressure:	<u>30 psi</u>
Tire Size:	<u>D5704</u>
Shock Compression:	<u>160</u>
Shock Rebound:	<u>350</u>
Spring Rate:	<u>1000#</u>
Camber:	<u>-2.5</u>
Caster:	<u>+4.0</u>
Ride Height:	<u>5.75"</u>

<b>RF</b>	
Tire Pressure:	<u>30 psi</u>
Tire Size:	<u>D5704</u>
Shock Compression:	<u>160</u>
Shock Rebound:	<u>350</u>
Spring Rate:	<u>1000#</u>
Camber:	<u>-2.5</u>
Caster:	<u>+4.0</u>
Ride Height:	<u>5.75"</u>

Front Brake Bias: 0  
Front Toe-Out: 1/8"  
Front Sway Bar: \_\_\_\_\_  
Rear End Ratio: 3.89:1  
Fuel Level: FULL

<b>LR</b>	
Tire Pressure:	<u>30 psi</u>
Tire Size:	<u>D5704</u>
Shock Compression:	<u>110</u>
Shock Rebound:	<u>275</u>
Spring Rate:	<u>250#</u>
Camber:	<u>-1.5</u>
Ride Height:	<u>6.75"</u>

<b>RR</b>	
Tire Pressure:	<u>30 psi</u>
Tire Size:	<u>D5704</u>
Shock Compression:	<u>110</u>
Shock Rebound:	<u>275</u>
Spring Rate:	<u>250#</u>
Camber:	<u>-1.5</u>
Ride Height:	<u>6.75"</u>

LF Weight: 891 → RF Weight: 891  
LR Weight: 904 ← RR Weight: 867

Cross Weight %: 50.52  
Rear %: 49.85

NOTES: ADDED 74# TO RIGHT SIDE  
\* TOTAL WEIGHT w/DRIVER = 3553#  
\* CHANGED OIL & FILTER HORBS = 15.3  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**DRAG LINK SETTINGS:**

LF - OUT

0.125

LF - IN

0.063 up

RF - IN

0.063 down

RF - OUT

~~FIXED~~  
0

**BUMP MEASUREMENTS:**

LEFT FRONT

<u>BUMP</u>	<u>TRAVEL</u>	<u>REBOUND</u>
0.000	0.00	0.000
_____	0.25	_____
_____	0.50	_____
_____	0.75	_____
_____	1.00	_____
_____	1.25	_____
_____	1.50	_____
_____	1.75	_____
_____	2.00	_____
_____	2.25	_____
_____	2.50	_____
_____	2.75	_____
_____	3.00	_____

RIGHT FRONT

<u>BUMP</u>	<u>TRAVEL</u>	<u>REBOUND</u>
0.000	0.00	0.000
_____	0.25	_____
_____	0.50	_____
_____	0.75	_____
_____	1.00	_____
_____	1.25	_____
_____	1.50	_____
_____	1.75	_____
_____	2.00	_____
_____	2.25	_____
_____	2.50	_____
_____	2.75	_____
_____	3.00	_____



Track/Event: SUMMIT POINT

Date: 6-28-03 Time: 10:00 AM

Weather & Conditions: CLEAR 80's

Lap Times:

- 1) \_\_\_\_ (m) \_\_\_\_ (s)
- 2) \_\_\_\_ (m) \_\_\_\_ (s)
- 3) \_\_\_\_ (m) \_\_\_\_ (s)
- 4) \_\_\_\_ (m) \_\_\_\_ (s)
- 5) \_\_\_\_ (m) \_\_\_\_ (s)
- 6) \_\_\_\_ (m) \_\_\_\_ (s)
- 7) \_\_\_\_ (m) \_\_\_\_ (s)
- 8) \_\_\_\_ (m) \_\_\_\_ (s)
- 9) \_\_\_\_ (m) \_\_\_\_ (s)
- 10) \_\_\_\_ (m) \_\_\_\_ (s)
- 11) \_\_\_\_ (m) \_\_\_\_ (s)
- 12) \_\_\_\_ (m) \_\_\_\_ (s)
- 13) \_\_\_\_ (m) \_\_\_\_ (s)
- 14) \_\_\_\_ (m) \_\_\_\_ (s)
- 15) \_\_\_\_ (m) \_\_\_\_ (s)
- 16) \_\_\_\_ (m) \_\_\_\_ (s)
- 17) \_\_\_\_ (m) \_\_\_\_ (s)
- 18) \_\_\_\_ (m) \_\_\_\_ (s)
- 19) \_\_\_\_ (m) \_\_\_\_ (s)
- 20) \_\_\_\_ (m) \_\_\_\_ (s)

BATTERY  
DEAD  
IN  
STOP WAITING

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 24 (psi) Hot: \_\_\_\_ (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 24 (psi) Hot: \_\_\_\_ (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 22 (psi) Hot: \_\_\_\_ (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 22 (psi) Hot: \_\_\_\_ (psi)

Notes:

4 SESSIONS @ 15 LAPS/PER  
120 MILES

HOBBS  
START 15.3  
STOP 17.2

Track/Event: SOMMIT POINT CAR GOYS

Date: 6-29-03 Time: 9:00 AM

Weather & Conditions: CLEAR 85°F

### Lap Times:

1) 1 (m) 52 . 04 (s)

2) 1 (m) 32 . 00 (s)

3) 1 (m) 30 . 85 (s)

4) 1 (m) 30 . 79 (s)

5) 1 (m) 30 . 50 (s)

6) 1 (m) 30 . 88 (s)

7) 1 (m) 32 . 81 (s)

8) 1 (m) 28 . 69 (s)

9) 1 (m) 29 . 03 (s)

10) 1 (m) 33 . 70 (s)

11) 1 (m) 32 . 95 (s)

12) 1 (m) 25 . 30 (s)

13) — (m) — . — (s)

14) 1 (m) 25 . 42 (s)

15) 1 (m) 27 . 11 (s)

16) 1 (m) 27 . 91 (s)

17) 1 (m) 27 . 98 (s)

18) 1 (m) 27 . 52 (s)

19) 1 (m) 27 . 63 (s)

20) 1 (m) 28 . 87 (s)

21) 1 (m) 27 . 36 (s)

22) 1 (m) 26 . 75 (s)

### LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 24 (psi) Hot: 31 (psi)

### RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 24 (psi) Hot: 31 (psi)

### LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 22 (psi) Hot: 28 (psi)

### RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 22 (psi) Hot: 28 (psi)

### Notes:

\* CHANGED BRAKE PRESSURE SWITCH  
ROTATED TIRES

44 MILES

HOBBS  
START 17.2  
STOP 17.8

Track/Event: SUMMIT POINT CAR GOVS

Date: 6-29-03 Time: 12:00pm

Weather & Conditions: CLAR 85° F

Lap Times:

- 1) 1 (m) 43 . 75 (s)
- 2) 1 (m) 23 . 58 (s)
- 3) 1 (m) 30 . 00 (s)
- 4) 1 (m) 30 . 26 (s)
- 5) 1 (m) 29 . 28 (s)
- 6) 1 (m) 28 . 82 (s)
- 7) 1 (m) 29 . 37 (s)
- 8) 1 (m) 28 . 13 (s)
- 9) 1 (m) 29 . 53 (s)
- 10) 1 (m) 30 . 46 (s)

- 11) 1 (m) 29 . 57 (s)
- 12) 1 (m) 34 . 34 (s)
- 13) 1 (m) 29 . 10 (s)
- 14) 1 (m) 28 . 53 (s)
- 15) 1 (m) 27 . 90 (s)
- 16) 1 (m) 28 . 21 (s)
- 17) 1 (m) 28 . 67 (s)
- 18) 1 (m) 28 . 75 (s)
- 19) 1 (m) 28 . 25 (s)
- 20) 1 (m) 28 . 22 (s)
- 21) 1 (m) 29 . 97 (s)
- 22) 1 (m) 29 . 66 (s)

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 24 (psi) Hot: 31 (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 24 (psi) Hot: 30 (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 22 (psi) Hot: 22 (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 22 (psi) Hot: 26 (psi)

Notes:

44 MILES

HOBBS  
START 17.8  
STOP 18.5

Track/Event: SUMMIT POINT CAR BOYS

Date: 6-29-03 Time: 2:00 PM

Weather & Conditions: CLEAR 85°F

Lap Times:

- 1) 1 (m) 36 . 89 (s)
- 2) 1 (m) 32 . 29 (s)
- 3) 1 (m) 31 . 96 (s)
- 4) 1 (m) 27 . 60 (s)
- 5) 1 (m) 27 . 42 (s)
- 6) 1 (m) 29 . 52 (s)
- 7) 1 (m) 30 . 23 (s)
- 8) 1 (m) 29 . 13 (s)
- 9) 1 (m) 30 . 25 (s)
- 10) 1 (m) 28 . 39 (s)

- 11) 1 (m) 28 . 59 (s)
- 12) 1 (m) 27 . 66 (s)
- 13) 1 (m) 29 . 66 (s)
- 14) 1 (m) 27 . 72 (s)
- 15) 1 (m) 30 . 06 (s)
- 16) 1 (m) 26 . 81 (s)
- 17) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 18) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 19) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 20) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 24 (psi) Hot: 31 (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 24 (psi) Hot: 31 (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 22 (psi) Hot: 26 (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 22 (psi) Hot: 26 (psi)

Notes:

32 MILES

HOBBS  
START 18.5  
STOP 19.0

Track/Event: SOMMIT POINT CAR GOYS

Date: 6-29-02 Time: 4:00 pm

Weather & Conditions: CLEAR 85°F

### Lap Times:

1) 1 (m) 34.48 (s)

2) 1 (m) 28.86 (s)

3) 1 (m) 30.69 (s)

4) 1 (m) 28.10 (s)

5) 1 (m) 28.00 (s)

6) 1 (m) 26.75 (s)

7) 1 (m) 26.25 (s)

8) 1 (m) 25.56 (s)

9) 1 (m) 25.84 (s)

10) 1 (m) 25.31 (s)

11) 1 (m) 33.50 (s)

12) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

13) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

14) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

15) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

16) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

17) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

18) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

19) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

20) \_\_\_\_\_ (m) \_\_\_\_\_ (s)

### LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 24 (psi) Hot: 31 (psi)

### RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 24 (psi) Hot: 31 (psi)

### LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 22 (psi) Hot: 26 (psi)

### RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 22 (psi) Hot: 26 (psi)

### Notes:

22 MILES \*CHANGED FRONT PADS  
142 MILES  
TOTAL = 262 MILES

HOBBS  
START 19.0  
STOP 19.3



# MOBILE OIL ANALYSIS REPORT

CONTAMINATION  
WEAR  
OIL CONDITION

<b>NORMAL</b>
<b>ATTENTION</b>
<b>NORMAL</b>

## 11 - Front Gasoline Engine

Unit Make : FORD  
 Unit Model : THUNDERBIRD  
 Comp Make : FORD  
 Comp Model : 351 SV0

Serial No : JT012  
 Cust. Ref No. : {n/a}  
 Stub No. : WC-M1047409

Date Rec'd : Jul 7, 2003  
 Sample Date : Jun 29, 2003  
 Diagnostician : Keith Scott

### RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date	03/22/03	04/27/03	Current	UOM
Time on Unit	1.5	5.2	9.4	hrs
Time on Oil	1.5	3.7	4.2	hrs
Time on Fltr	1.5	3.7	4.2	hrs
Oil Maint.	n/a	changed	not chg	---
Filter Maint.	changed	changed	not chg	---

### CONTAMINATION

There is no indication of any contamination in the component.

Sample Date	03/22/03	04/27/03	Current	Abn
Silicon	9.5	9.5	6.6	
Potassium	0.0	0.0	0.0	
Sodium	2.3	2.3	2.1	
Fuel (%)	<2.0	<2.0	<2.0	
Glycol (%)	<0.02	<0.02	<0.02	
Water (%)	<0.1	<0.1	<0.1	
Soot (%)	0	0	0	
Sulfation	0	13	10	
Nitration	0	15	10	

### WEAR

All component wear rates are normal. Lead noted as fuel additive.

Sample Date	03/22/03	04/27/03	Current	Abn
Iron	7.2	8.0	8.1	---
Nickel	0.7	0.6	0.3	---
Chromium	0.3	0.3	0.3	---
Titanium	1.8	6.5	4.4	---
Copper	1.5	2.1	2.1	---
Aluminum	3.2	3.0	4.5	---
Tin	0.0	0.0	0.0	---
Lead	101	234	491	---
Silver	0.0	0.0	0.1	---

### OIL CONDITION

Oil Type: 22 QTS of CASTROL GTX 20W50

The condition of the oil is acceptable for the time in service.

Sample Date	03/22/03	04/27/03	Current	Base
Boron	2.1	10	3.7	
Barium	0.0	0.6	0.0	
Calcium	1238	1590	1613	
Magnesium	2.7	13	7.0	
Molybdenum	34	9.6	2.0	
Sodium	2.3	2.3	2.1	
Phosphorus	645	767	902	
Sulfur	3156	4988	5576	
Zinc	658	768	914	
Visc@40°C	---	---	---	153
Visc@100°C	17.8	16.52	15.55	19.1
Oxidation	15	65	45	---

Track/Event: VIR / HSR / VIRGINIA HISTORIES

Date: 7-10-03 Time: 10:15 AM

Weather & Conditions: ~~OVERCAST~~ 80°F  
SUNNY ☀

Lap Times:

- 1) 2 (m) 38.69 (s)
- 2) 2 (m) 26.50 (s)
- 3) 2 (m) 24.44 (s)
- 4) 2 (m) 23.06 (s)
- 5) 2 (m) 20.46 (s)
- 6) 2 (m) 21.11 (s)
- 7) 2 (m) 19.43 (s)
- 8) 2 (m) 23.54 (s)
- 9) \_\_\_\_ (m) \_\_\_\_ (s)
- 10) \_\_\_\_ (m) \_\_\_\_ (s)

26 miles

- 11) \_\_\_\_ (m) \_\_\_\_ (s)
- 12) \_\_\_\_ (m) \_\_\_\_ (s)
- 13) \_\_\_\_ (m) \_\_\_\_ (s)
- 14) \_\_\_\_ (m) \_\_\_\_ (s)
- 15) \_\_\_\_ (m) \_\_\_\_ (s)
- 16) \_\_\_\_ (m) \_\_\_\_ (s)
- 17) \_\_\_\_ (m) \_\_\_\_ (s)
- 18) \_\_\_\_ (m) \_\_\_\_ (s)
- 19) \_\_\_\_ (m) \_\_\_\_ (s)
- 20) \_\_\_\_ (m) \_\_\_\_ (s)

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 24 (psi) Hot: 31 (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 24 (psi) Hot: 30 (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 22 (psi) Hot: 28 (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 22 (psi) Hot: 27 (psi)

Notes:

HOBBS  
START 19.3  
STOP 19.9

Track/Event: VIR/HSR/Virginia Historics

Date: 7/10/03

Time: 11:55

Weather & Conditions: Sunny (Hot!?) 90°

Lap Times:

- 1) 2 (m) 29 . 62 (s)
- 2) 2 (m) 23 . 47 (s)
- 3) 2 (m) 18 . 06 (s)
- 4) 2 (m) 19 . 69 (s)
- 5) 2 (m) 18 . 97 (s)
- 6) 2 (m) 18 . 96 (s)
- 7) 2 (m) 18 . 15 (s)
- 8) 2 (m) 17 . 87 (s)
- 9) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 10) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

*26 m/ct/s*

- 11) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 12) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 13) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 14) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 15) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 16) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 17) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 18) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 19) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 20) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: \_\_\_\_ (psi) Hot: 32 (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: \_\_\_\_ (psi) Hot: 31 (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: \_\_\_\_ (psi) Hot: 29 (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: \_\_\_\_ (psi) Hot: 28 (psi)

Notes:

Hobbs  
Start 19.9  
Stop 20.3



Track/Event: VIR/HSR/Virginia Historics

Date: 7/10/03 Time: 2:35 p.m.

Weather & Conditions: Sunny (Hot!!) 90°

Lap Times:

- |   |                              |
|---|------------------------------|
| 1) <u>2</u> (m) <u>21</u> . <u>36</u> (s) | 11) ____ (m) ____ . ____ (s) |
| 2) <u>2</u> (m) <u>20</u> . <u>04</u> (s) | 12) ____ (m) ____ . ____ (s) |
| 3) <u>2</u> (m) <u>19</u> . <u>69</u> (s) | 13) ____ (m) ____ . ____ (s) |
| 4) <u>2</u> (m) <u>15</u> . <u>60</u> (s) | 14) ____ (m) ____ . ____ (s) |
| 5) <u>2</u> (m) <u>16</u> . <u>37</u> (s) | 15) ____ (m) ____ . ____ (s) |
| 6) <u>2</u> (m) <u>16</u> . <u>40</u> (s) | 16) ____ (m) ____ . ____ (s) |
| 7) <u>2</u> (m) <u>16</u> . <u>32</u> (s) | 17) ____ (m) ____ . ____ (s) |
| 8) <u>2</u> (m) <u>15</u> . <u>68</u> (s) | 18) ____ (m) ____ . ____ (s) |
| 9) <u>2</u> (m) <u>57</u> . <u>23</u> (s) | 19) ____ (m) ____ . ____ (s) |
| 10) ____ (m) ____ . ____ (s)              | 20) ____ (m) ____ . ____ (s) |

*29 miles*

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: \_\_\_\_ (psi) Hot: 30 (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: \_\_\_\_ (psi) Hot: 29 (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: \_\_\_\_ (psi) Hot: 27 (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: \_\_\_\_ (psi) Hot: 26 (psi)

Notes:

Hobbs:  
Start 20.3  
Stop 20.8

Track/Event: VIR/HSR/Virginia Historics

Date: 7/10/03 Time: 4:35p.m.

Weather & Conditions: Sunny

### Lap Times:

- 1) 2 (m) 21 . 20 (s)
- 2) 2 (m) 16 . 57 (s)
- 3) 2 (m) 14 . 22 (s)
- 4) 2 (m) 14 . 77 (s)
- 5) 2 (m) 18 . 42 (s)
- 6) 2 (m) 13 . 96 (s)
- 7) 2 (m) 14 . 44 (s)
- 8) 2 (m) 21 . 20 (s)
- 9) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 10) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

*26 miles*

- 11) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 12) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 13) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 14) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 15) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 16) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 17) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 18) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 19) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)
- 20) \_\_\_\_ (m) \_\_\_\_ . \_\_\_\_ (s)

### LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 24 (psi) Hot: 29 (psi)

### RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 24 (psi) Hot: 29 (psi)

### LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 22 (psi) Hot: 26 (psi)

### RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 22 (psi) Hot: 26 (psi)

### Notes:

*Hobbs*  
*Start 20.8*  
*Stop 21.3*

Track/Event: VIR/HSR/Virginia Historics

Date: 7/11/03 Time: 10:00

Weather & Conditions: Sunny

Lap Times:

- |   |                                 |
|---|---------------------------------|
| 1) <u>2</u> (m) <u>15</u> . <u>89</u> (s) | 11) _____ (m) _____ . _____ (s) |
| 2) <u>2</u> (m) <u>15</u> . <u>55</u> (s) | 12) _____ (m) _____ . _____ (s) |
| 3) <u>2</u> (m) <u>14</u> . <u>34</u> (s) | 13) _____ (m) _____ . _____ (s) |
| 4) <u>2</u> (m) <u>14</u> . <u>06</u> (s) | 14) _____ (m) _____ . _____ (s) |
| 5) <u>2</u> (m) <u>13</u> . <u>10</u> (s) | 15) _____ (m) _____ . _____ (s) |
| 6) <u>2</u> (m) <u>12</u> . <u>45</u> (s) | 16) _____ (m) _____ . _____ (s) |
| 7) <u>2</u> (m) <u>12</u> . <u>90</u> (s) | 17) _____ (m) _____ . _____ (s) |
| 8) <u>2</u> (m) <u>19</u> . <u>17</u> (s) | 18) _____ (m) _____ . _____ (s) |
| 9) _____ (m) _____ . _____ (s)            | 19) _____ (m) _____ . _____ (s) |
| 10) _____ (m) _____ . _____ (s)           | 20) _____ (m) _____ . _____ (s) |

*26 MILES*

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 24 (psi) Hot: 31 (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 24 (psi) Hot: 30 (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 22 (psi) Hot: 28 (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 22 (psi) Hot: 28 (psi)

Notes:

Changed camber on right front was -1.5 now -2.5  
left camber (front) -3.5 Toe out 3/16"

Hobbs

Start 21.3

Stop 21.9

Track/Event: VIR/HSR/Virginia Historics

Date: 7/11/03 Time: 1:50 p.m.

Weather & Conditions: Sunny

### Lap Times:

- 1) 2 (m) 21 . 34 (s)
- 2) 2 (m) 18 . 73 (s)
- 3) 2 (m) 14 . 77 (s)
- 4) 2 (m) 15 . 55 (s)
- 5) 2 (m) 16 . 89 (s)
- 6) 2 (m) 13 . 91 (s)
- 7) 2 (m) 12 . 38 (s)
- 8) 2 (m) 14 . 60 (s)
- 9) 2 (m) 20 . 90 (s)
- 10) ~~2~~ (m) ~~2~~ . \_\_\_\_\_ (s)

*29 miles*

- 11) \_\_\_\_\_ (m) \_\_\_\_\_ . \_\_\_\_\_ (s)
- 12) \_\_\_\_\_ (m) \_\_\_\_\_ . \_\_\_\_\_ (s)
- 13) \_\_\_\_\_ (m) \_\_\_\_\_ . \_\_\_\_\_ (s)
- 14) \_\_\_\_\_ (m) \_\_\_\_\_ . \_\_\_\_\_ (s)
- 15) \_\_\_\_\_ (m) \_\_\_\_\_ . \_\_\_\_\_ (s)
- 16) \_\_\_\_\_ (m) \_\_\_\_\_ . \_\_\_\_\_ (s)
- 17) \_\_\_\_\_ (m) \_\_\_\_\_ . \_\_\_\_\_ (s)
- 18) \_\_\_\_\_ (m) \_\_\_\_\_ . \_\_\_\_\_ (s)
- 19) \_\_\_\_\_ (m) \_\_\_\_\_ . \_\_\_\_\_ (s)
- 20) \_\_\_\_\_ (m) \_\_\_\_\_ . \_\_\_\_\_ (s)

### LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 24 (psi) Hot: 31 (psi)

### RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 24 (psi) Hot: 31 (psi)

### LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 22 (psi) Hot: 28 (psi)

### RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 22 (psi) Hot: 28 (psi)

### Notes:

Hobbs:

Start: 21.9

Stop: 22.4

Track/Event: VIR/HSR/Virginia Historics

Date: 7/11/03 Time: 4:35 p.m.

Weather & Conditions: Overcast: Drizzle last 2 laps sunny

### Lap Times:

- |   |                              |
|---|------------------------------|
| 1) <u>2</u> (m) <u>18</u> . <u>43</u> (s) | 11) ____ (m) ____ . ____ (s) |
| 2) <u>2</u> (m) <u>13</u> . <u>25</u> (s) | 12) ____ (m) ____ . ____ (s) |
| 3) <u>2</u> (m) <u>12</u> . <u>34</u> (s) | 13) ____ (m) ____ . ____ (s) |
| 4) <u>2</u> (m) <u>13</u> . <u>14</u> (s) | 14) ____ (m) ____ . ____ (s) |
| 5) <u>2</u> (m) <u>13</u> . <u>33</u> (s) | 15) ____ (m) ____ . ____ (s) |
| 6) <u>2</u> (m) <u>12</u> . <u>25</u> (s) | 16) ____ (m) ____ . ____ (s) |
| 7) <u>2</u> (m) <u>13</u> . <u>07</u> (s) | 17) ____ (m) ____ . ____ (s) |
| 8) ____ (m) ____ . ____ (s)               | 18) ____ (m) ____ . ____ (s) |
| 9) ____ (m) ____ . ____ (s)               | 19) ____ (m) ____ . ____ (s) |
| 10) ____ (m) ____ . ____ (s)              | 20) ____ (m) ____ . ____ (s) |

*23 miles*

### LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 24 (psi) Hot: 30 (psi)

### RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 24 (psi) Hot: 30 (psi)

### LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 22 (psi) Hot: 26 (psi)

### RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 22 (psi) Hot: 27 (psi)

### Notes:

*off in Turn 2/3 - too hot into corner*

*Qualifying for Saturday race  
Multiple yellow flags*

*Hobbs:  
Start: 22.4  
Stop: 22.9*

Track/Event: VIR/HSR/Virginia Historics

Date: 7/12/03 Time: 10:35

Weather & Conditions: Sunny

Lap Times:

- |   |                                 |
|---|---------------------------------|
| 1) <u>2</u> (m) <u>48</u> . <u>84</u> (s) | 11) _____ (m) _____ . _____ (s) |
| 2) <u>2</u> (m) <u>14</u> . <u>23</u> (s) | 12) _____ (m) _____ . _____ (s) |
| 3) <u>2</u> (m) <u>16</u> . <u>25</u> (s) | 13) _____ (m) _____ . _____ (s) |
| 4) <u>2</u> (m) <u>15</u> . <u>77</u> (s) | 14) _____ (m) _____ . _____ (s) |
| 5) <u>2</u> (m) <u>18</u> . <u>73</u> (s) | 15) _____ (m) _____ . _____ (s) |
| 6) <u>2</u> (m) <u>12</u> . <u>00</u> (s) | 16) _____ (m) _____ . _____ (s) |
| 7) <u>2</u> (m) <u>15</u> . <u>00</u> (s) | 17) _____ (m) _____ . _____ (s) |
| 8) <u>2</u> (m) <u>12</u> . <u>83</u> (s) | 18) _____ (m) _____ . _____ (s) |
| 9) <u>2</u> (m) <u>52</u> . <u>29</u> (s) | 19) _____ (m) _____ . _____ (s) |
| 10) _____ (m) _____ . _____ (s)           | 20) _____ (m) _____ . _____ (s) |

*29 miles*

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 24 (psi) Hot: 31 (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 24 (psi) Hot: 31 (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 22 (psi) Hot: 29 (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 22 (psi) Hot: 28 (psi)

Notes:

*HOBBS  
START: 22.9  
STOP: 23.6*

Track/Event: VIR/HSR/Virginia Historics

Date: 7/12 Time: 2:35 p.m.

Weather & Conditions: Sunny

Lap Times:

- |   |                              |
|---|------------------------------|
| 1) <u>3</u> (m) <u>14</u> . <u>90</u> (s) | 11) ____ (m) ____ . ____ (s) |
| 2) <u>2</u> (m) <u>19</u> . <u>75</u> (s) | 12) ____ (m) ____ . ____ (s) |
| 3) <u>2</u> (m) <u>12</u> . <u>73</u> (s) | 13) ____ (m) ____ . ____ (s) |
| 4) <u>2</u> (m) <u>12</u> . <u>58</u> (s) | 14) ____ (m) ____ . ____ (s) |
| 5) <u>2</u> (m) <u>12</u> . <u>63</u> (s) | 15) ____ (m) ____ . ____ (s) |
| 6) <u>2</u> (m) <u>46</u> . <u>04</u> (s) | 16) ____ (m) ____ . ____ (s) |
| 7) ____ (m) ____ . ____ (s)               | 17) ____ (m) ____ . ____ (s) |
| 8) ____ (m) ____ . ____ (s)               | 18) ____ (m) ____ . ____ (s) |
| 9) ____ (m) ____ . ____ (s)               | 19) ____ (m) ____ . ____ (s) |
| 10) ____ (m) ____ . ____ (s)              | 20) ____ (m) ____ . ____ (s) |

*20 miles*

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: \_\_\_\_ (psi) Hot: 30 (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: \_\_\_\_ (psi) Hot: 31 (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: \_\_\_\_ (psi) Hot: 27 (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: \_\_\_\_ (psi) Hot: 26 (psi)

Notes:

Race : oil pressure problem : DNF  
 at grid line up driver reported "engine doesn't sound right"  
 loose rocker arm found

TOTAL MILEAGE = 234

HOBBS  
 START: 23.6  
 STOP: 24.1

# Group 8 Practice 1

Licensed To:

Virginia Int'l Historic Races at: Virginia International Raceway (3.270 miles)

Date: 7/11/03  
Time: 10:39 AM

Joni Phillips Lefter  
1520 Beach Dr NE  
St. Petersburg, FL 33704

Results

Pos.	CL	No.	Name	Car Type	City, State	Class	Best	In	miles/h	2nd Best
1	1	21	Dale Phelon	89 Thunderbird, 5927	Aiken, SC	C10	1:56.111	6	101.386	1:57.191
2	2	02	Darren Law	93 Grand Prix, 5927	Wellington, OH	C10	1:56.879	7	100.720	1:58.204
3	3	2	John Cloud	94 Thunderbird, 5917	Chatham, OH	C10	1:57.152	7	100.485	1:59.064
4	4	66	Michael Ciasulli	98 Taurus, 5794	Dunellen, NJ	C10	1:59.427	2	98.571	2:01.505
5	5	30	Scott Murphy	93 Grand Prix, 5927	Thomasville, NC	C10	2:00.064	3	98.048	2:00.913
6	6	33	Aaron Dudley	93 Lumina, 5927	Thomasville, NC	C10	2:00.550	8	97.652	2:01.624
7	7	44	Maurice Hull	88 Cutlass, 5868	High Point, NC	C10	2:01.077	8	97.227	2:02.753
8	8	144	Jack Finch	98 Monte Carlo, 5927	Thomasville, NC	C10	2:01.656	8	96.765	2:02.083
9	9	27	Steve Collins	89 Grand Prix, 5917	Moore, SC	C10	2:01.862	3	96.601	2:01.996
10	10	28	Wayne Otto	90 Lumina, 5917	Watchung, NJ	C10	2:04.869	6	94.275	2:04.876
11	11	7	Michael Goodman	92 Lumina, 4536	Alpharetta, GA	C10	2:06.054	6	93.389	2:06.292
12	12	00	Larry Carroll	96 Monte Carlo, 4264	Montchonin, DE	C10	2:08.966	5	91.280	2:09.595
13	13	41	Otto/Shell	93 Lumina, 5917	Boca Raton, FL	C10	2:10.219	6	90.402	2:10.614
14	14	77	Ed Bull	98 Taurus, 5927	Chapin, SC	C10	2:12.130	7	89.094	2:14.042
15	15	11	John Orzechowski	95 Thunderbird, 5811	Gaithersburg, MD	C10	2:12.636	6	88.754	2:12.904
16	16	20	Tom Carson	93 Lumina, 5927	Hunt Valley, MD	C10	2:13.951	2	87.883	2:35.705
17	17	84	B. Michael Shanley	94 Thunderbird, 5868	South Williamstown, M	C10	2:16.682	3	86.127	2:17.373
18	18	25	David Lewis	89 Cutlass, 5917	Jacksonville, FL	C10	2:17.770	2	85.447	2:18.377
19	19	83	Lake Speed	93 Thunderbird, 5868	Kannapolis, NC	C10	----	-	-	----
20	20	8	Steve Sunshine	94 Thunderbird, 5927	West Orange, NJ	C10	----	-	-	----
21	21	50	Chet Wittel	81 Pontiac GP 5700 White	Canton, GA	C10	----	-	-	----

Chief of Timing & Scoring:

Signed: *Kim Belin*

Date: 7/11/03





# Group 8 Practice 2

Licensed To:

Joni Phillips Lefter  
1520 Beach Dr NE  
St. Petersburg, FL 33704

Virginia Int'l Historic Races at: Virginia International Raceway(3.270 miles)

Date: 7/11/03  
Time: 2:14 PM

*sults*

Pos.	CL	No.	Name	Car Type	City, State	Class	Best	In	miles/h	2nd Best
1	1	02	Darren Law	93 Grand Prix, 5927	Wellington, OH	C10	1:56.752	3	100.829	1:57.891
2	2	21	Dale Phelon	89 Thunderbird, 5927	Aiken, SC	C10	1:57.141	8	100.494	1:57.503
3	3	2	John Cloud	94 Thunderbird, 5917	Chatham, OH	C10	1:57.661	3	100.050	1:58.272
4	4	30	Scott Murphy	93 Grand Prix, 5927	Thomasville, NC	C10	1:58.474	2	99.364	1:59.031
5	5	83	Lake Speed	93 Thunderbird, 5868	Kannapolis, NC	C10	1:58.930	6	98.983	1:59.229
6	6	66	Michael Ciasulli	98 Taurus, 5794	Dunellen, NJ	C10	1:59.837	2	98.233	2:01.502
7	7	33	Aaron Dudley	93 Lumina, 5927	Thomasville, NC	C10	2:00.139	9	97.986	2:00.371
8	8	44	Maurice Hull	88 Cutlass, 5868	High Point, NC	C10	2:00.400	6	97.774	2:01.057
9	9	144	Jack Finch	98 Monte Carlo, 5927	Thomasville, NC	C10	2:00.906	4	97.365	2:00.938
10	10	28	Wayne Otto	90 Lumina, 5917	Watchung, NJ	C10	2:03.658	5	95.198	2:04.230
11	11	7	Michael Goodman	92 Lumina, 4536	Alpharetta, GA	C10	2:05.895	3	93.506	2:07.038
12	12	41	Edgar Otto	93 Lumina, 5917	Boca Raton, FL	C10	2:08.225	4	91.807	2:08.283
13	13	50	Chet Wittel	81 Pontiac GP 5700 White	Canton, GA	C10	2:08.820	6	91.383	2:12.309
14	14	00	Larry Carroll	96 Monte Carlo, 4264	Montchonin, DE	C10	2:10.010	6	90.547	2:10.702
15	15	20	Tom Carson	93 Lumina, 5927	Hunt Valley, MD	C10	2:12.155	5	89.077	2:12.232
16	16	11	John Orzechowski	95 Thunderbird, 5811	Gaithersburg, MD	C10	2:13.567	7	88.136	2:14.319
17	17	77	Ed Bull	98 Taurus, 5927	Chapin, SC	C10	2:13.636	7	88.090	2:15.129
18	18	25	David Lewis	89 Cutlass, 5917	Jacksonville, FL	C10	2:15.089	5	87.143	2:15.110
19	19	84	B. Michael Shanley	94 Thunderbird, 5868	South Williamstown, M	C10	2:18.411	2	85.051	2:18.487
20	20	8	Steve Sunshine	94 Thunderbird, 5927	West Orange, NJ	C10	-----	-	-	-----
21	21	27	Steve Collins	89 Grand Prix, 5917	Moore, SC	C10	-----	-	-	-----

Chief of Timing & Scoring:

Signed: *Kui Belin*

Date: *7/11/03*



# Group 8 Qualifying for Round 9 Race

Licensed To:

Virginia Int'l Historic Races at: Virginia International Raceway(3.270 miles)

Date: 7/11/03

Joni Phillips Lefter

1520 Beach Dr NE

St. Petersburg, FL 33704

Time: 4:53 PM

Results

Pos.	CL	No.	Name	Car Type	City, State	Class	Best	In	miles/h	2nd Best
1	1	21	Dale Phelon	89 Thunderbird, 5927	Aiken, SC	C10	1:55.637	3	101.801	1:56.353
2	2	02	Darren Law	93 Grand Prix, 5927	Wellington, OH	C10	1:56.083	4	101.410	1:56.637
3	3	83	Lake Speed	93 Thunderbird, 5868	Kannapolis, NC	C10	1:56.379	2	101.152	1:56.540
4	4	66	Michael Ciasulli	98 Taurus, 5794	Dunellen, NJ	C10	1:57.426	2	100.250	2:02.966
5	5	2	John Cloud	94 Thunderbird, 5917	Chatham, OH	C10	1:57.639	3	100.069	1:59.083
6	6	30	Scott Murphy	93 Grand Prix, 5927	Thomasville, NC	C10	1:57.675	2	100.038	1:58.206
7	7	33	Aaron Dudley	93 Lumina, 5927	Thomasville, NC	C10	1:59.153	7	98.797	1:59.667
8	8	44	Maurice Hull	88 Cutlass, 5868	High Point, NC	C10	1:59.459	3	98.544	1:59.889
9	9	27	Steve Collins	89 Grand Prix, 5917	Moore, SC	C10	1:59.618	3	98.413	2:01.846
10	10	144	Jack Finch	98 Monte Carlo, 5927	Thomasville, NC	C10	1:59.856	5	98.218	2:01.578
11	11	28	Wayne Otto	90 Lumina, 5917	Watchung, NJ	C10	2:00.038	3	98.069	2:01.367
12	12	7	Michael Goodman	92 Lumina, 4536	Alpharetta, GA	C10	2:04.906	6	94.247	2:05.454
13	13	41	Edgar Otto	93 Lumina, 5917	Boca Raton, FL	C10	2:06.100	8	93.354	2:06.545
14	14	50	Chet Wittel	81 Pontiac GP 5700 White	Canton, GA	C10	2:06.165	2	93.306	2:10.068
15	15	20	Tom Carson	93 Lumina, 5927	Hunt Valley, MD	C10	2:09.374	3	90.992	2:10.800
16	16	00	Larry Carroll	96 Monte Carlo, 4264	Montchonin, DE	C10	2:09.571	5	90.854	2:10.967
17	17	11	John Orzechowski	95 Thunderbird, 5811	Gaithersburg, MD	C10	2:11.368	7	89.611	2:11.584
18	18	25	David Lewis	89 Cutlass, 5917	Jacksonville, FL	C10	2:11.373	4	89.607	2:11.935
19	19	84	B. Michael Shanley	94 Thunderbird, 5868	South Williamstown, M	C10	2:13.192	4	88.384	2:13.928
20	20	77	Ed Bull	98 Taurus, 5927	Chapin, SC	C10	2:13.227	5	88.360	2:14.525
21	21	8	Steve Sunshine	94 Thunderbird, 5927	West Orange, NJ	C10	---	-	-	---

Chief of Timing & Scoring:

Signed:

*Kenn Belin*  
7/11/03

# Group 8 Round 10 Qualifying

Virginia Int'l Historic Races at: Virginia International Raceway(3.270 miles)

Results

Date: 7/12/03  
Time: 11:08 AM

Licensed To:

Joni Phillips Letter  
1520 Beach Dr NE  
St. Petersburg, FL 33704

Pos.	CL	No.	Name	Car Type	City, State	Class	Best	In	miles/h	2nd Best
1	1	83	Lake Speed	93 Thunderbird, 5868	Kannapolis, NC	C10	1:55.888	4	101.581	1:56.427
2	2	21	Dale Phelon	89 Thunderbird, 5927	Aiken, SC	C10	1:56.916	2	100.688	1:57.115
3	3	2	John Cloud	94 Thunderbird, 5917	Chatham, OH	C10	1:57.587	5	100.113	1:57.891
4	4	66	Michael Ciasulli	98 Taurus, 5794	Dunellen, NJ	C10	1:57.905	4	99.843	1:58.063
5	5	30	Scott Murphy	93 Grand Prix, 5927	Thomasville, NC	C10	1:58.033	2	99.735	1:58.114
6	6	44	Maurice Hull	88 Cutlass, 5868	High Point, NC	C10	1:58.487	5	99.353	1:59.604
7	7	27	Steve Collins	89 Grand Prix, 5917	Moore, SC	C10	1:58.929	4	98.983	1:59.577
8	8	33	Aaron Dudley	93 Lumina, 5927	Thomasville, NC	C10	1:59.186	5	98.770	1:59.490
9	9	144	Jack Finch	98 Monte Carlo, 5927	Thomasville, NC	C10	1:59.651	4	98.386	1:59.848
10	10	28	Wayne Otto	90 Lumina, 5917	Watchung, NJ	C10	2:00.854	3	97.407	2:00.959
11	11	7	Michael Goodman	92 Lumina, 4536	Alpharetta, GA	C10	2:02.957	2	95.741	2:05.596
12	12	50	Chet Wittel	81 Pontiac GP 5700 White	Canton, GA	C10	2:04.323	3	94.689	2:06.047
13	13	41	Edgar Otto	93 Lumina, 5917	Boca Raton, FL	C10	2:07.051	6	92.656	2:07.379
14	14	00	Larry Carroll	96 Monte Carlo, 4264	Montchonin, DE	C10	2:08.117	8	91.885	2:08.884
15	15	77	Ed Bull	98 Taurus, 5927	Chapin, SC	C10	2:08.596	4	91.543	2:09.005
16	16	25	David Lewis	89 Cutlass, 5917	Jacksonville, FL	C10	2:09.693	7	90.766	2:10.364
17	17	20	Tom Carson	93 Lumina, 5927	Hunt Valley, MD	C10	2:10.786	5	90.010	2:11.217
18	18	11	John Orzechowski	95 Thunderbird, 5811	Gaithersburg, MD	C10	2:12.909	8	88.572	2:14.365
19	19	84	B. Michael Shanley	94 Thunderbird, 5868	South Williamstown, M	C10	2:15.548	2	86.847	2:16.162
	20	02	Darren Law	93 Grand Prix, 5927	Wellington, OH	C10	-----	-	-	-----
	21	8	Steve Sunshine	94 Thunderbird, 5927	West Orange, NJ	C10	-----	-	-	-----

Page 1

Printed: 7/12/03 11:08:34 AM

Chief of Timing & Scoring:

Signed: *KW Belin*

Date: 7/12/03

# HSCRA Round 9 Race

Licensed To:

Joni Phillips Lefter  
1520 Beach Dr NE  
St. Petersburg, FL 33704

Virginia Int'l Historic Races at: Virginia International Raceway(3.270 miles)

Date: 7/12/03  
Time: 3:01 PM

*sults*

Po	CL	No	Name	Car Type	City,State	Class	La	Total	Diff.	Best
1	1	83	Lake Speed	93 Thunderbird, 5868	Kannapolis, NC	C10	7	13:49.070		1:56.685
2	2	2	John Cloud	94 Thunderbird, 5917	Chatham, OH	C10	7	13:54.526	5.456	1:57.338
3	3	33	Aaron Dudley	93 Lumina, 5927	Thomasville, NC	C10	7	13:55.646	6.576	1:57.752
4	4	30	Scott Murphy	93 Grand Prix, 5927	Thomasville, NC	C10	7	13:59.231	10.161	1:57.375
5	5	66	Michael Ciasulli	98 Taurus, 5794	Dunellen, NJ	C10	7	14:01.999	12.929	1:58.181
6	6	27	Steve Collins	89 Grand Prix, 5917	Moore, SC	C10	7	14:09.158	20.088	1:58.395
7	7	21	Dale Phelon	89 Thunderbird, 5927	Aiken, SC	C10	7	14:12.565	23.495	1:56.574
8	8	44	Maurice Hull	88 Cutlass, 5868	High Point, NC	C10	7	14:12.976	23.906	1:59.953
9	9	144	Jack Finch	98 Monte Carlo, 5927	Thomasville, NC	C10	7	14:13.306	24.236	1:59.798
10	10	50	Chet Wittel	81 Pontiac GP 5700 White	Canton, GA	C10	7	14:47.938	58.868	2:04.840
11	11	41	Edgar Otto	93 Lumina, 5917	Boca Raton, FL	C10	7	15:00.716	1:11.646	2:05.809
12	12	77	Ed Bull	98 Taurus, 5927	Chapin, SC	C10	7	15:07.611	1:18.541	2:05.711
13	13	25	David Lewis	89 Cutlass, 5917	Jacksonville, FL	C10	7	15:19.737	1:30.667	2:07.945
14	14	00	Larry Carroll	96 Monte Carlo, 4264	Montchonin, DE	C10	7	15:20.409	1:31.339	2:08.572
15	15	20	Tom Carson	93 Lumina, 5927	Hunt Valley, MD	C10	7	15:34.890	1:45.820	2:11.145
16	16	7	Michael Goodman	92 Lumina, 4536	Alpharetta, GA	C10	6	12:32.123	- 1 lap -	2:03.470
17	17	11	John Orzechowski	95 Thunderbird, 5811	Gaithersburg, MD	C10	4	9:05.103	- 3 laps -	2:12.554
18	18	84	B. Michael Shanley	94 Thunderbird, 5868	South Williamstown, M	C10	2	4:43.884	- 5 laps -	2:16.517
19	19	28	Wayne Otto	90 Lumina, 5917	Watchung, NJ	C10	1	2:09.915	- 6 laps -	2:04.956
20	20	02	Darren Law	93 Grand Prix, 5927	Wellington, OH	C10	0		- 7 laps -	-----
21	21	8	Steve Sunshine	94 Thunderbird, 5927	West Orange, NJ	C10	0			-----

Chief of Timing & Scoring:

Best Time: 1:56.574 by: Dale Phelon in lap 3  
Elapsed Time: 00:13:49 Margin of Victory: 5.456

Signed:

*Ken Belen*

Date:

7/13/03

<b>HSCRA Round 10 Race</b>		<b>Licensed To:</b>
Virginia Int'l Historic Races at: Virginia International Raceway(3.270 miles)	Date: <b>7/13/03</b>	<b>Joni Phillips Letter</b>
<b>Results</b>	Time: <b>2:57 PM</b>	<b>1520 Beach Dr NE</b> <b>St. Petersburg, FL 33704</b>

Po	CL	No	Name	Car Type	City,State	Class	La	Total	Diff.	Best
1	1	21	Dale Phelon	89 Thunderbird, 5927	Aiken, SC	C10	9	17:43.074		1:56.837
2	2	83	Lake Speed	93 Thunderbird, 5868	Kannapolis, NC	C10	9	17:49.534	6.460	1:57.335
3	3	30	Scott Murphy	93 Grand Prix, 5927	Thomasville, NC	C10	9	17:53.953	10.879	1:57.675
4	4	33	Aaron Dudley	93 Lumina, 5927	Thomasville, NC	C10	9	17:59.968	16.894	1:58.333
5	5	66	Michael Ciasulli	98 Taurus, 5794	Dunellen, NJ	C10	9	18:05.934	22.860	1:58.501
6	6	44	Maurice Hull	88 Cutlass, 5868	High Point, NC	C10	9	18:12.950	29.876	1:59.994
7	7	144	Jack Finch	98 Monte Carlo, 5927	Thomasville, NC	C10	9	18:15.069	31.995	1:59.375
8	8	27	Steve Collins	89 Grand Prix, 5917	Moore, SC	C10	9	18:23.304	40.230	1:58.494
9	9	28	Wayne Otto	90 Lumina, 5917	Watchung, NJ	C10	9	18:38.793	55.719	2:02.788
10	10	7	Michael Goodman	92 Lumina, 4536	Alpharetta, GA	C10	9	18:43.206	1:00.132	2:02.637
11	11	77	Ed Bull	98 Taurus, 5927	Chapin, SC	C10	9	19:04.800	1:21.726	2:04.044
12	12	41	Edgar Otto	93 Lumina, 5917	Boca Raton, FL	C10	9	19:14.794	1:31.720	2:05.721
13	13	00	Larry Carroll	96 Monte Carlo, 4264	Montchonin, DE	C10	9	19:30.843	1:47.769	2:08.197
14	14	20	Tom Carson	93 Lumina, 5927	Hunt Valley, MD	C10	9	19:47.876	2:04.802	2:10.395
15	15	2	John Cloud	94 Thunderbird, 5917	Chatham, OH	C10	3	6:04.668	-- 6 laps --	1:59.263
16	16	25	David Lewis	89 Cutlass, 5917	Jacksonville, FL	C10	0	7.565	-- 9 laps --	.....
17	17	02	Darren Law	93 Grand Prix, 5927	Wellington, OH	C10	0		-7.565	.....
18	18	8	Steve Sunshine	94 Thunderbird, 5927	West Orange, NJ	C10	0		-7.565	.....
19	19	11	John Orzechowski	95 Thunderbird, 5811	Gaithersburg, MD	C10	0		-7.565	.....
20	20	50	Chet Wittel	81 Pontiac GP 5700 White	Canton, GA	C10	0		-7.565	.....
21	21	84	B. Michael Shanley	94 Thunderbird, 5868	South Williamstown, M	C10	0		-7.565	.....

**Best Time:** 1:56.837 **by :** Dale Phelon in lap 7  
**Elapsed Time:** 00:17:43 **Margin of Victory:** 6.460

Signed:

Date:



# ENGINE MAINTENANCE WORKSHEET

DATE: 7/13/03  
 HOBBS: 24.1

HOT LASH SETTING: 0.016" - I / 0.020" - E  
 COLD LASH SETTING: 0.012" - I / 0.014" - E

	<u>Spring PSI</u>	<u>Lash HOT</u>	<u>Lash COLD</u>
#5 - E	_____	_____	_____
#5 - I	_____	_____	_____
#6 - E	_____	_____	_____
#6 - I	_____	_____	_____
#7 - E	_____	_____	_____
#7 - I	_____	_____	_____
#8 - E	_____	_____	_____
#8 - I	_____	_____	_____

	<u>Spring PSI</u>	<u>Lash HOT</u>	<u>Lash COLD</u>
#1 - I	_____	_____	_____
#1 - E	_____	_____	_____
#2 - I	_____	_____	_____
#2 - E	_____	_____	_____
#3 - I	_____	_____	_____
#3 - E	_____	_____	_____
#4 - I	_____	_____	_____
#4 - E	_____	_____	_____

	<u>LEAK DOWN PSI</u>	<i>Coast</i>	<u>COMP PSI</u>
#5	<del>30</del> <u>30</u> %		<sup>130</sup> <u>125</u> (3)
#6	_____		<u>150</u>
#7	_____		<u>160</u>
#8	_____		<u>150</u>

	<u>LEAK DOWN PSI</u>	<u>COMP PSI</u>
#1	_____	<u>135</u>
#2	_____	<u>150</u>
#3	_____	<u>145</u>
#4	_____	<u>160</u>

NOTES: #5 EXHAUST ROCKER ADJUSTER CAME LOOSE  
 TED 1.55:1 ROCKER  
 CV PRODUCTS 9.100 0.080 PUSH ROD  
 #5 EXHAUST LIFT = 0.260  
 #6 EXHAUST LIFT = 0.355  
 MILEAGE → ROAD ATLANTA = 142  
 SUMMIT POINT = 262  
 TIME ON TOWNE = ~~12.7~~ 14.2 VIR = 234  
 638



# MOBILE OIL ANALYSIS REPORT

CONTAMINATION  
WEAR  
OIL CONDITION

NORMAL
ATTENTION
NORMAL

## 11 - Front Gasoline Engine

Unit Make : FORD  
 Unit Model : THUNDERBIRD Serial No : JT012 Date Rec'd : Jul 18, 2003  
 Comp Make : FORD Cust. Ref No. : {n/a} Sample Date : Jul 13, 2003  
 Comp Model : 351 SV0 Stub No. : WC-M1047399 Diagnostician : Keith Scott

### RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date	03/22/03	04/27/03	06/29/03	Current	UOM
Time on Unit	1.5	5.2	9.4	14.2	hrs
Time on Oil	1.5	3.7	4.2	9	hrs
Time on Fltr	1.5	3.7	4.2	9	hrs
Oil Maint.	n/a	changed	not chg	changed	---
Filter Maint.	changed	changed	not chg	changed	---

### CONTAMINATION

There is no indication of any contamination in the component.

Sample Date	03/22/03	04/27/03	06/29/03	Current	Abn
Silicon	9.5	9.5	6.6	8.2	
Potassium	0.0	0.0	0.0	0.0	
Sodium	2.3	2.3	2.1	1.4	
Fuel (%)	<2.0	<2.0	<2.0	<2.0	
Glycol (%)	<0.02	<0.02	<0.02	<0.02	
Water (%)	<0.1	<0.1	<0.1	<0.1	
Soot (%)	0	0	0	0	
Sulfation	0	13	10	13	
Nitration	0	15	10	15	

### WEAR

All component wear rates are normal. Lead noted as fuel additive.

Sample Date	03/22/03	04/27/03	06/29/03	Current	Abn
Iron	7.2	8.0	8.1	43	---
Nickel	0.7	0.6	0.3	0.7	---
Chromium	0.3	0.3	0.3	1.0	---
Titanium	1.8	6.5	4.4	13	---
Copper	1.5	2.1	2.1	4.2	---
Aluminum	3.2	3.0	4.5	8.2	---
Tin	0.0	0.0	0.0	0.0	---
Lead	101	234	491	1129	---
Silver	0.0	0.0	0.1	0.0	---

### OIL CONDITION

Oil Type: 22 QTS of CASTROL GTX 20W50

The condition of the oil is acceptable for the time in service.

Sample Date	03/22/03	04/27/03	06/29/03	Current	Base
Boron	2.1	10	3.7	4.9	
Barium	0.0	0.6	0.0	0.0	
Calcium	1238	1590	1613	2428	
Magnesium	2.7	13	7.0	0.0	
Molybdenum	34	9.6	2.0	4.4	
Sodium	2.3	2.3	2.1	1.4	
Phosphorus	645	767	902	1153	
Sulfur	3156	4988	5576	6145	
Zinc	658	768	914	1065	
Visc@40°C	---	---	---	---	153
Visc@100°C	17.8	16.52	15.55	14.9	19.1
Oxidation	15	65	45	50	---