

ENGINE MAINTENANCE WORKSHEET - SBC

DATE: 3-22-14
 HOBBS: _____

HOT LASH SETTING: 0.018" - I / 0.018" - E
 COLD LASH SETTING: 0.015" - I / 0.011" - E

SBC firing order: 1-8-4-3-6-5-7-2

	Spring PSI	Lash HOT	Lash COLD
#1 - E	_____	_____	<u>0.011</u>
#1 - I	_____	_____	<u>0.015</u>
#3 - I	_____	_____	<u>0.015</u>
#3 - E	_____	_____	<u>0.011</u>
#5 - E	_____	_____	<u>0.011</u>
#5 - I	_____	_____	<u>0.015</u>
#7 - I	_____	_____	<u>0.015</u>
#7 - E	_____	_____	<u>0.011</u>

	Spring PSI	Lash HOT	Lash COLD
#2 - E	_____	_____	<u>0.011</u>
#2 - I	_____	_____	<u>0.015</u>
#4 - I	_____	_____	<u>0.015</u>
#4 - E	_____	_____	<u>0.011</u>
#6 - E	_____	_____	<u>0.011</u>
#6 - I	_____	_____	<u>0.015</u>
#8 - I	_____	_____	<u>0.015</u>
#8 - E	_____	_____	<u>0.011</u>

	LEAK DOWN PSI	COMP PSI
#1	<u>0%</u>	<u>190</u>
#3	<u>2%</u>	<u>190</u>
#5	<u>2%</u>	<u>185</u>
#7	<u>2%</u>	<u>185</u>

	LEAK DOWN PSI	COMP PSI
#2	<u>1%</u>	<u>195</u>
#4	<u>2%</u>	<u>190</u>
#6	<u>2%</u>	<u>185</u>
#8	<u>2%</u>	<u>185</u>

NOTES: #6 LOOSE - CAN'T RETIGHTEN SPARK PLUG
* USED 14MM BACK TAP TO RESTORE THREADS
* INSTALLED NEW AUTOLITE AR3933 PLUGS



PHONE (610) 375-6180
FAX (610) 375-6190



PHONE (610) 375-6191
FAX (610) 375-6190



PHONE (610) 375-6180
FAX (610) 375-6190

150 FRANKLIN STREET • READING, PA 19602
MONDAY THROUGH FRIDAY - 8:30 A.M. TO 5:00 P.M.

Bill to : Customer 012290

JOHN ORZECOWSKI (P)
11313 DAYSVILLER RD
FREDERICK MD 21701
United States

SHIPPED TO ADDRESS:
JOHN ORZECOWSKI
11313 DAYSVILLER RD
FREDERICK MD 21701
United States

14

Invoice No 0000136813

Phone (301) 672-3868

SO# 124176

Ship# 134805

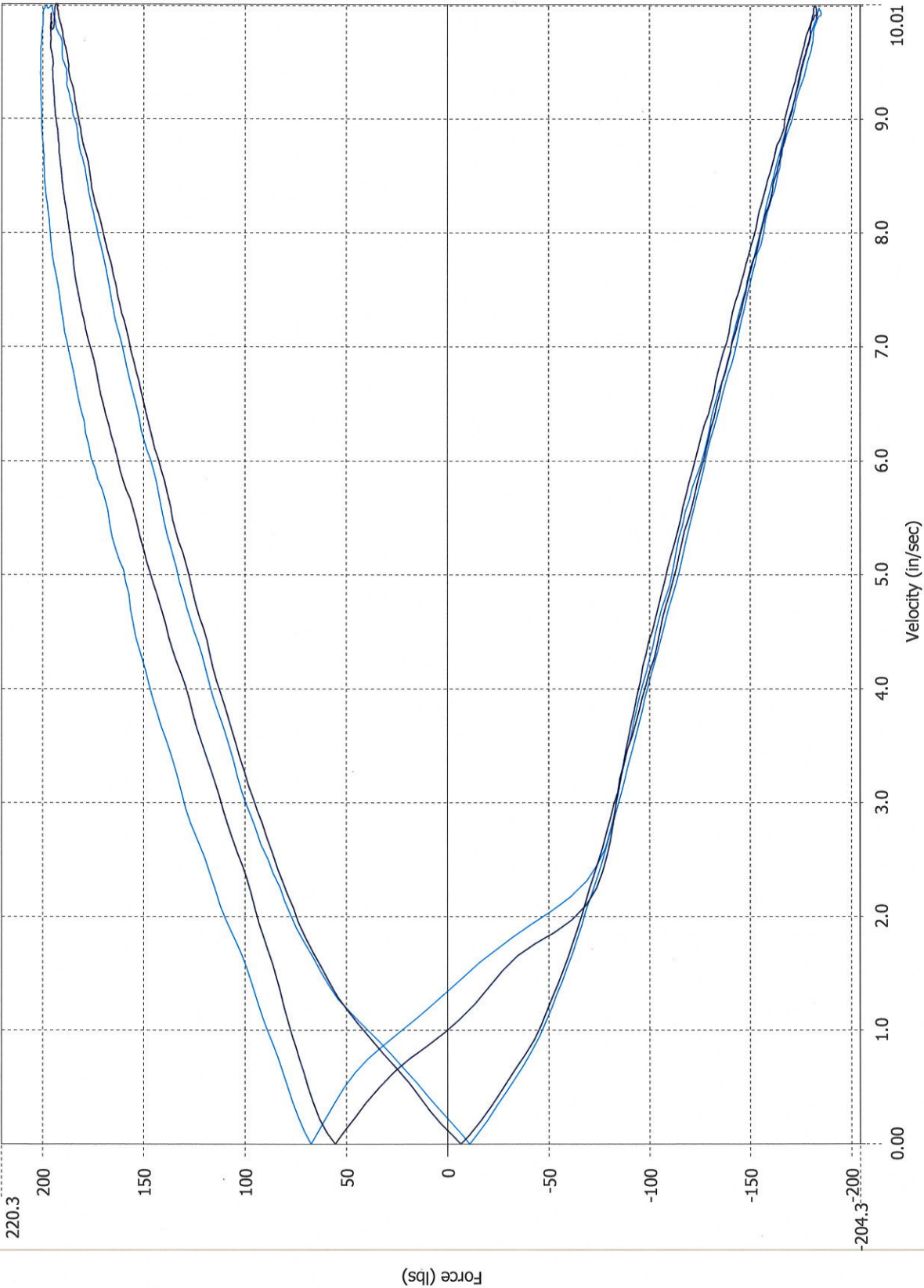
GOODYEAR EAGLE RACING TIRES ARE NOT FOR HIGHWAY USE.

Customer PO Number	Invoice Date	Ship Date	Terms	FOB			Ship Via		Invoice No
3/18/14	03/18/2014	03/18/2014	CREDIT CARD	F.O.B. ORIGIN			UPS GROUND		0000136813
Item	Part / Description / Details			Unit Weight	Open Order Qty.	Quantity Backordered	Quantity Shipped	Unit Price	Extended Price
000010	SV-ST SERVICE, SHORT TRACK SHOCK			0	4	0	4	50.000	200.00
000020	AS-75THSB-S Rev 00 ASSM, 7500 THRDED SHAFT BEAR SILVR			0	2	0	2	58.500	117.00
000030	SHIPPING Shipping/Freight Charge						1	19.480	19.48
Total Weight				0	Total Item Price			317.00	
JORZECO@ORZECOWSKI.COM				Shipping			19.48		
PAID MC 9732				Sales Tax			0.00		
APP# 05852P				Total Inv Price			\$ 336.48		
				Amount Paid			\$ 336.48		
				Total Due			\$ 0.00		
Please pay balance upon receipt of this invoice.									

RMA REQUIRED FOR ALL RETURNS!
20% Restocking Charge On All Returns

■ RR AS RECEIVED*
■ LR AS RECEIVED*

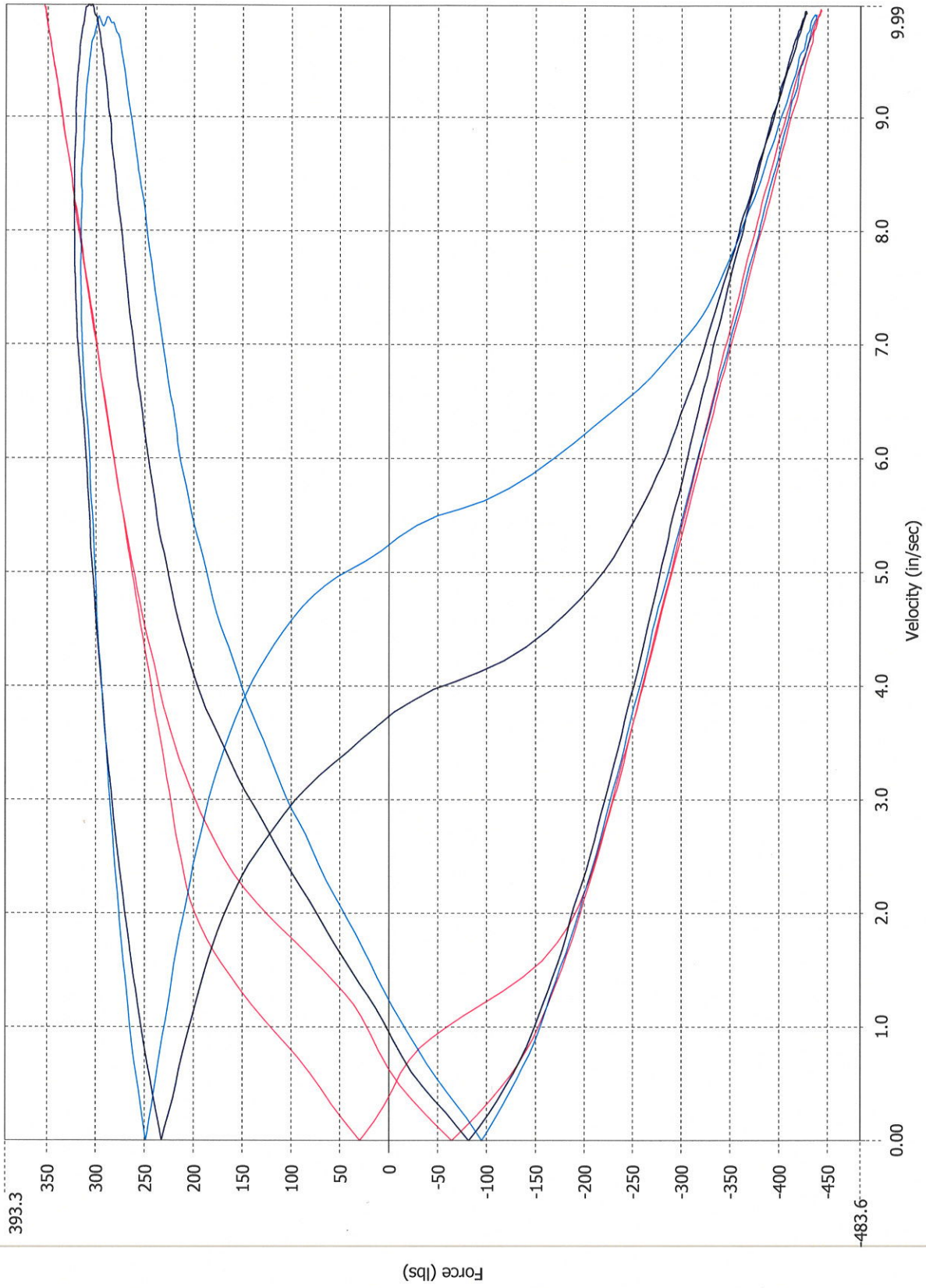
Force Vs. Absolute Velocity



REAR AS RECEIVED
3/18/14

Force Vs. Absolute Velocity

- LF 200 PSI*
- LF AS RECEIVED*
- RF AS RECEIVED*



FRONTS AS RECEIVED
RED IS WITH 200PSI
3/18/14

■ RR -10, 10.00 in/sec (gas force removed)

Collected: 10:38:26 AM Tuesday March 18, 2014
Shock ID: REAR
Location:

Shock Name: 7500SA
Vehicle:
Compression Valving: OUTER=135004-5N,B STACK
INNER=123508,105008,90008,75015X2

Rebound Valving: B STACK
Other Valving:
Rebound Setting:
Test Run: 1-10 PVP REG
Configuration:
Warmup Type: Temperature
Min_Force: -199.73 lbs
Max_Displacement: 0.50 in
Shaft_Diameter: 0.63 in
Peak_Force: 224.14 lbs
Min_Force: -199.73 lbs
Max_Displacement: 0.50 in
Warmup_Temp: 90.0 F
Peak_Force: 224.14 lbs
Notes: 2.5WT OIL
150 PSI
SET AT -10

Piston Valving: VDPL55
Compression Setting:
Preload Setting:
Dyno Serial Number: CVS35251
Software Version: Shock 6.5.8
Gas Test Type: Standard Gas Test
Peak_Displacement: 0.50 in
Max_Force: 224.14 lbs
Min_Displacement: -0.50 in
Amplitude: 0.50 in
Peak_Displacement: 0.50 in
Max_Force: 224.14 lbs
Min_Displacement: -0.50 in

■ LR -10, 10.00 in/sec (gas force removed)

Collected: 10:41:45 AM Tuesday March 18, 2014
Shock ID: REAR
Location:

Shock Name: 7500SA
Vehicle:
Compression Valving: OUTER=135004-5N,B STACK
INNER=123508,105008,90008,75015X2

Rebound Valving: B STACK
Other Valving:
Rebound Setting:
Test Run: 1-10 PVP REG
Configuration:
Warmup Type: Temperature
Min_Force: -206.58 lbs
Max_Displacement: 0.50 in
Shaft_Diameter: 0.63 in
Peak_Force: 213.73 lbs

Piston Valving: VDPL55
Compression Setting:
Preload Setting:
Dyno Serial Number: CVS35251
Software Version: Shock 6.5.8
Gas Test Type: Standard Gas Test
Peak_Displacement: 0.50 in
Max_Force: 213.73 lbs
Min_Displacement: -0.50 in
Amplitude: 0.50 in

Min_Force: -206.58 lbs
Max_Displacement: 0.50 in
Warmup_Temp: 90.0 F
Peak_Force: 213.73 lbs
Notes: 2.5WT OIL
150 PSI
SET AT -10

■ LF -10, 10.00 in/sec (gas force removed)

Collected: 11:04:04 AM Tuesday March 18, 2014
Shock ID: FRONT
Location:

Shock Name: 7500SA
Vehicle:
Compression Valving: OUTER=135004-5N,C STACK
INNER=123508,105008,90008,75006,75010X2
Piston Valving: VDPL55
Compression Setting:
Preload Setting:
Dyno Serial Number: CVS35251
Software Version: Shock 6.5.8
Gas Test Type: Standard Gas Test

Rebound Valving: D STACK
Other Valving:
Rebound Setting:

Test Run: 1-10 PVP REG
Configuration:
Warmup Type: Temperature
Min_Force: -443.51 lbs
Max_Displacement: 0.50 in
Shaft_Diameter: 0.63 in
Peak_Force: 443.51 lbs
Min_Force: -443.51 lbs
Max_Displacement: 0.50 in
Warmup_Temp: 90.0 F
Peak_Force: 443.51 lbs
Notes: 2.5WT OIL
150 PSI
SET AT -10

Peak_Displacement: 0.50 in
Max_Force: 213.73 lbs
Min_Displacement: -0.50 in

Peak_Displacement: 0.50 in
Max_Force: 342.01 lbs
Min_Displacement: -0.50 in
Amplitude: 0.50 in
Peak_Displacement: 0.50 in
Max_Force: 342.01 lbs
Min_Displacement: -0.50 in

■ RF -10, 10.00 in/sec (gas force removed)

Collected: 11:07:23 AM Tuesday March 18, 2014
Shock ID: FRONT
Location:

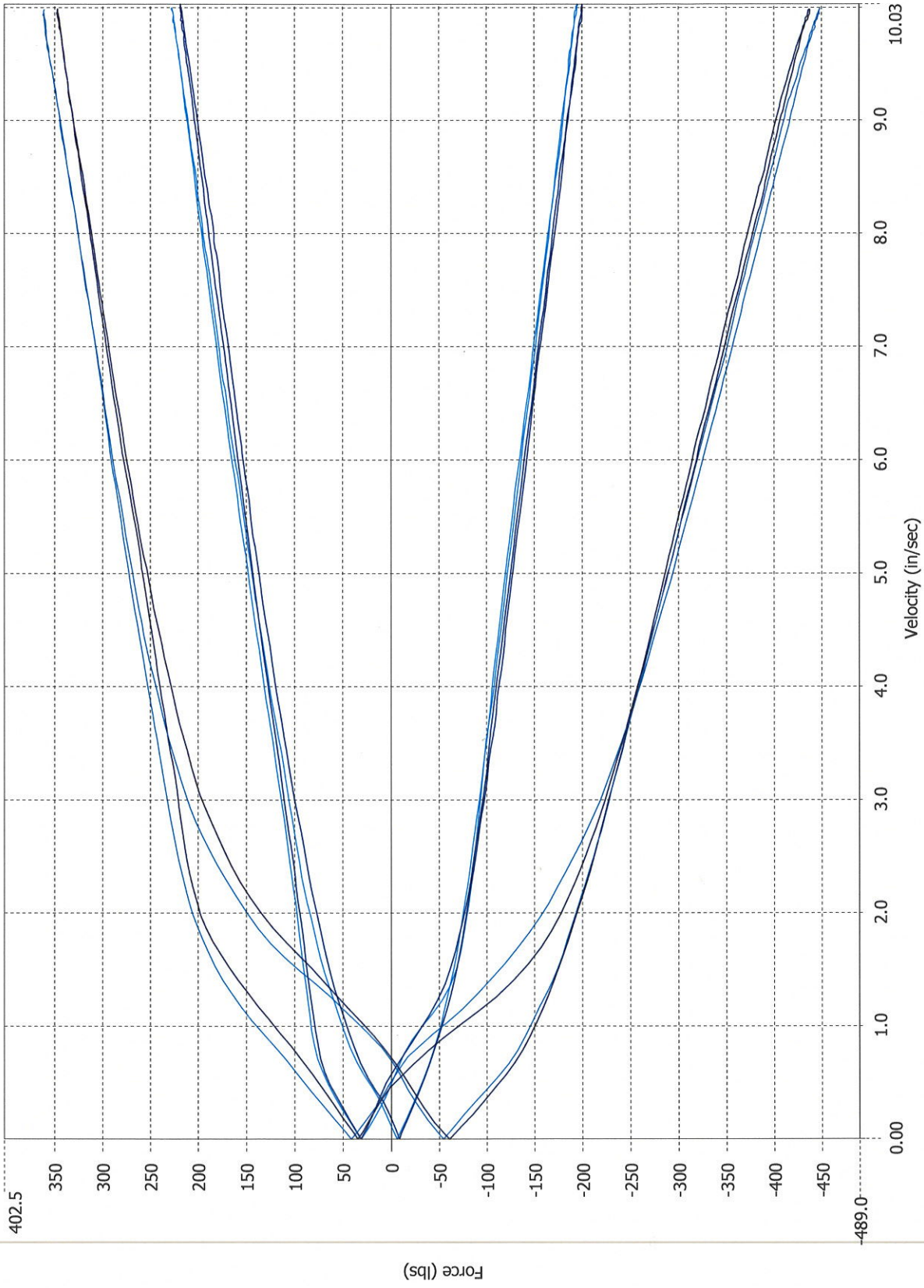
Shock Name: 7500SA
Vehicle:
Compression Valving: OUTER=135004-5N,C STACK
INNER=123508,105008,90008,75006,75010X2
Piston Valving: VDPL55
Compression Setting:
Preload Setting:

Rebound Valving: D STACK
Other Valving:
Rebound Setting:

Test Run: 1-10 PVP REG
Configuration:
Warmup Type: Temperature
Min_Force: -454.03 lbs
Max_Displacement: 0.50 in
Shaft_Diameter: 0.63 in
Peak_Force: 454.03 lbs
Min_Force: -454.03 lbs
Max_Displacement: 0.50 in
Warmup_Temp: 90.0 F
Peak_Force: 454.03 lbs
Notes: 2.5WT OIL
150 PSI
SET AT -10

Dyno Serial Number: CVS35251
Software Version: Shock 6.5.8
Gas Test Type: Standard Gas Test
Peak_Displacement: 0.50 in
Max_Force: 356.50 lbs
Min_Displacement: -0.50 in
Amplitude: 0.50 in
Peak_Displacement: 0.50 in
Max_Force: 356.50 lbs
Min_Displacement: -0.50 in

Force Vs. Absolute Velocity



7500
3/18/14

- RR -10*
- LR -10*
- LF -10*
- RF -10*

CHASSIS SETUP SHEET

DATE: 4-5-14
 CAR: BNS MONTE CARLO #69
 TRACK: ROAD ATLANTA

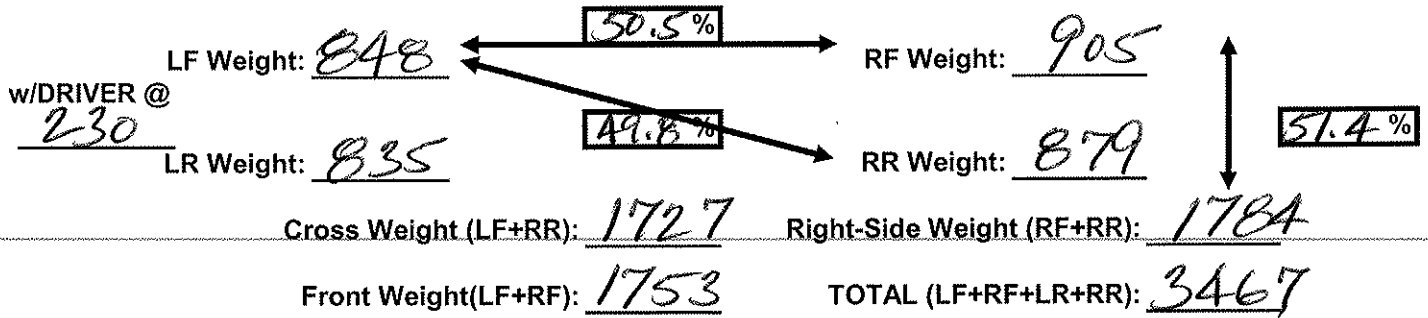
LF
Tire Pressure: <u>30 PSI</u>
Tire Size: <u>HOOSIER H50</u>
Shock Compression: _____
Shock Rebound: _____
Spring Rate: <u>650</u>
Anti-Dive & Slugs: <u>0.5" (0-0)</u>
Camber & Shims: <u>-2 3/4" (1/4 + 1/8)</u>
Caster & Slugs: <u>+5 1/4" (0-0)</u>
Ride Height: <u>5 3/8"</u>
Upper A-Arm Angle: <u>20.2°</u>
Wheel Spacers: <u>1/8"</u>

RF
Tire Pressure: <u>30 PSI</u>
Tire Size: <u>HOOSIER H50</u>
Shock Compression: _____
Shock Rebound: _____
Spring Rate: <u>650</u>
Anti-Dive & Slugs: <u>0.5" (0-0)</u>
Camber & Shims: <u>-2 5/8" (1/4)</u>
Caster & Slugs: <u>+5 1/4" (3/8 - 1/8)</u>
Ride Height: <u>5 3/8"</u>
Upper A-Arm Angle: <u>19.9°</u>
Wheel Spacers: <u>1/4" + 1/8"</u>

Front Valence Height: LF= 4" RF= 4 1/8"
 Front / Rear Brake Bias: FRONT: _____ REAR: _____
 Front Toe-Out: 3/16"
 Front Sway Bar: 1 9/16" HOLLOW / NEUTRAL
 Rear Sway Bar: 0.900" SOLID / NEUTRAL
 Rear End Ratio: 3.75:1
 Rear Pinion Angle: 3.5° Down SHIM: ~2.0°
 Track Bar Height: LR= 10 3/4" RR= 10 7/8"
 Fuel Level: FULL

LR
Tire Pressure: <u>30 PSI</u>
Tire Size: <u>HOOSIER H50</u>
Shock Compression: _____
Shock Rebound: _____
Spring Rate: <u>375</u>
Camber: <u>-0.5°</u>
Ride Height: <u>6 1/4"</u>
Trailing Arm Angle: <u>0.8° ↑ REAR</u>
Wheel Spacers: <u>1/4" + 1/8"</u>

RR
Tire Pressure: <u>30 PSI</u>
Tire Size: <u>HOOSIER H50</u>
Shock Compression: _____
Shock Rebound: _____
Spring Rate: <u>375</u>
Camber: <u>-0.5°</u>
Ride Height: <u>6 3/8"</u>
Trailing Arm Angle: <u>0.6° ↑ REAR</u>
Wheel Spacers: <u>1/4" + 1/8"</u>



NOTES: *TOTAL TIME ON PENNZANCE = 38.0 HOURS
*CHECKS BY BUZZET BY PENNSKE
*USED 14MM BACK TAP ON #6 SPARK PLUG HOLE
*INSPECTED BRAKES, OK.
*CHANGED OIL & FILTER
*INSTALLED AN-12 CONTACT SEAL TO OIL PAN.

Track/Event: Road Atlanta / The Mitty

Date: 4/24/2014 Time: 0850

Weather & Conditions: Sunny / 59.5

Lap Times:

- 1) 1 (m) 47 . 95 (s)
- 2) 1 (m) 40 . 81 (s)
- 3) 1 (m) 38 . 53 (s)
- 4) 1 (m) 41 . 85 (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: 21 (psi) Hot: ____ (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 21 (psi) Hot: ____ (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 19 (psi) Hot: ____ (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 19 (psi) Hot: ____ (psi)

Notes: 1.47.99 1.40.81
1.38.53 1.41.85

HOBBS START: _____
HOBBS STOP: _____ 10 min

MILES: 13

ENGINE OIL TEMP: 190
ENGINE WATER TEMP: 180

BRAKE ROTOR TEMP (LF/RF): 1
BRAKE ROTOR TEMP (LR/RR): 1

Track/Event: Road Atlanta (The Mitty)

Date: 4/24/14

Time: 11:26

Weather & Conditions: Sunny / 63.1 / 38.66

Lap Times:

- | | |
|--|--|
| 1) <u>3</u> (m) <u>37</u> . <u>682</u> (s) | 11) <u>1</u> (m) <u>37</u> . <u>300</u> (s) |
| 2) <u> </u> (m) <u> </u> . <u> </u> (s) | 12) <u>1</u> (m) <u>38</u> . <u>164</u> (s) |
| <u>start</u> 3) <u> </u> (m) <u> </u> . <u> </u> (s) | 13) <u>1</u> (m) <u>38</u> . <u>037</u> (s) |
| 4) <u>1</u> (m) <u>38</u> . <u>593</u> (s) | 14) <u> </u> (m) <u> </u> . <u> </u> (s) |
| 5) <u>1</u> (m) <u>38</u> . <u>920</u> (s) | 15) <u> </u> (m) <u> </u> . <u> </u> (s) |
| 6) <u>1</u> (m) <u>42</u> . <u>1642</u> (s) | 16) <u> </u> (m) <u> </u> . <u> </u> (s) |
| 7) <u>1</u> (m) <u>39</u> . <u>332</u> (s) | 17) <u> </u> (m) <u> </u> . <u> </u> (s) |
| 8) <u>1</u> (m) <u>37</u> . <u>570</u> (s) | 18) <u> </u> (m) <u> </u> . <u> </u> (s) |
| 9) <u>1</u> (m) <u>39</u> . <u>384</u> (s) | 19) <u> </u> (m) <u> </u> . <u> </u> (s) |
| 10) <u>1</u> (m) <u>39</u> . <u>634</u> (s) | 20) <u> </u> (m) <u> </u> . <u> </u> (s) |

LEFT FRONT

Outside	Middle	Inside
118 °F	144 °F	151 °F

Cold: 21 (psi) Hot: 31 (psi)

RIGHT FRONT

Inside	Middle	Outside
139 °F	154 °F	128 °F

Cold: 21 (psi) Hot: 30 (psi)

LEFT REAR

Outside	Middle	Inside
124 °F	123 °F	139 °F

Cold: 19 (psi) Hot: 25 (psi)

RIGHT REAR

Inside	Middle	Outside
135 °F	134 °F	120 °F

Cold: 19 (psi) Hot: 25 (psi)

Notes:

138.97

356

332

HOBBS START: _____

HOBBS STOP: _____ 2AMZN

MILES: 36

ENGINE OIL TEMP: 195

ENGINE WATER TEMP: 180

BRAKE ROTOR TEMP (LF/RF): 2981 285

BRAKE ROTOR TEMP (LR/RR): 1911 199

Track/Event: Road Atlanta/The Mitty

Date: 4/24/14 Time: 3:10

Weather & Conditions: Sunny / 77.9 / 34.79

Lap Times:

- 1) 1 (m) 39 . 144 (s)
- 11) 2 (m) 30 . 010 (s)
- 2) 1 (m) 39 . 144 (s)
- 12) (m) . (s)
- 3) 1 (m) 42 . 929 (s)
- 13) (m) . (s)
- 4) 1 (m) 39 . 652 (s)
- 14) (m) . (s)
- 5) 1 (m) 37 . 298 (s)
- 15) (m) . (s)
- 6) 1 (m) 38 . 765 (s)
- 16) (m) . (s)
- 7) 1 (m) 38 . 074 (s)
- 17) (m) . (s)
- 8) 1 (m) 38 . 683 (s)
- 18) (m) . (s)
- 9) 1 (m) 38 . 611 (s)
- 19) (m) . (s)
- 10) 1 (m) 38 . 334 (s)
- 20) (m) . (s)

LEFT FRONT

Outside	Middle	Inside
168 °F	156 °F	142 °F

Cold: 21 (psi) Hot: 32 (psi)

RIGHT FRONT

Inside	Middle	Outside
161 °F	162 °F	145 °F

Cold: 21 (psi) Hot: 31 (psi)

*27
26
30*

LEFT REAR

Outside	Middle	Inside
131 °F	136 °F	154 °F

Cold: 19 (psi) Hot: 26 (psi)

RIGHT REAR

Inside	Middle	Outside
158 °F	147 °F	143 °F 145 °F

Cold: 19 (psi) Hot: 31/26 (psi)

Notes: changed rear gear from a 3:75 to 3:70

HOBBS START: _____
HOBBS STOP: _____ *19 min*

MILES: 28

#41 - 1.41.41

ENGINE OIL TEMP: 210
ENGINE WATER TEMP: 105

BRAKE ROTOR TEMP (LF/RF): 365 / 327
BRAKE ROTOR TEMP (LR/RR): 239 / 208

Track/Event: Road Atlanta / The Mitty

Date: 4/25/14 Time: 10:15

Weather & Conditions: cloudy / 66.0 / 61.69

Lap Times:

- | | |
|--|---------------------------------|
| 1) <u>2</u> (m) <u>09</u> . <u>638</u> (s) | 11) _____ (m) _____ . _____ (s) |
| 2) <u>1</u> (m) <u>44</u> . <u>132</u> (s) | 12) _____ (m) _____ . _____ (s) |
| 3) <u>1</u> (m) <u>51</u> . <u>893</u> (s) | 13) _____ (m) _____ . _____ (s) |
| 4) <u>1</u> (m) <u>46</u> . <u>474</u> (s) | 14) _____ (m) _____ . _____ (s) |
| 5) <u>1</u> (m) <u>47</u> . <u>885</u> (s) | 15) _____ (m) _____ . _____ (s) |
| 6) _____ (m) _____ . _____ (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) |

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 21 (psi) Hot: _____ (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 21 (psi) Hot: _____ (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 19 (psi) Hot: _____ (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 19 (psi) Hot: _____ (psi)

Notes: 1 1/2 gallons fuel
changed rear brake pads

#41
#44 - SJ - 148.81

RF Tire separation

HOBBS START: _____
HOBBS STOP: _____ 11 min

MILES: 15

ENGINE OIL TEMP: _____
ENGINE WATER TEMP: _____

BRAKE ROTOR TEMP (LF/RF): 1
BRAKE ROTOR TEMP (LR/RR): 1

Group 8

Road Atlanta 2.540 Miles

Qualifying 1

4/25/2014 10:15 AM

Qualifying started at 10:19:39

Pos	No.	Class	Name	Best Tm	Make	Laps	Hometown
1	42	SCA	Mark Furcini	1:28.112	05 Dodge Charger 5822	4	Phoenix AZ
2	44	SCA	Maurice Hull	1:29.370	06 Dodge Charger NASCAR 5866	4	High Point NC
3	49	SCA	Jack Finch	1:29.519	06 Dodge Charger NASCAR 5822	3	Thomasville NC
4	9	SCA	Brian Norman	1:29.619	06 Dodge Charger NASCAR 5866	3	Loganville GA
5	33	SCA	John Finger	1:33.114	02 Chev. Monte Carlo NASCAR 5866	2	Greenville SC
6	45	SCA	John Cloud	1:33.485	06 Dodge Charger NASCAR 5822	3	Wellington OH
7	99	SCA	Debbie Cloud	1:40.365	06 Ford Fusion NASCAR 5822	4	Wellington OH
8	29	SCA	Kyle Shields	1:43.254	02 Chev. Monte Carlo 5822	4	Dacula GA
9	441	SCB	Gary Stach	1:44.685	92 Chevrolet Lumina NASCAR 5822	6	Pickens SC
10	69	SCB	John Orzechowski	1:45.247	00 Chev. Monte Carlo NASCAR 5866	4	Frederick MD
11	90	SCA	Brent Bernath	1:45.894	06 Ford Fusion NASCAR 5927	4	Atlanta GA
12	41	SCB	David Lewis	1:46.269	00 Chev. Monte Carlo NASCAR 5822	6	Jacksonville FL

Announcements

#90 - Transponder not detected. Pls see Janet in Timing. Manually scored where possible

Track/Event: Road Atlanta / The misty

Date: 4/25/14 Time: 4:00

Weather & Conditions: Sunny 84 43.80

Lap Times:

- | | |
|--|---------------------------------|
| 1) <u>2</u> (m) <u>09</u> . <u>153</u> (s) | 11) _____ (m) _____ . _____ (s) |
| 2) <u>1</u> (m) <u>44</u> . <u>687</u> (s) | 12) _____ (m) _____ . _____ (s) |
| 3) <u>1</u> (m) <u>38</u> . <u>750</u> (s) | 13) _____ (m) _____ . _____ (s) |
| 4) <u>1</u> (m) <u>39</u> . <u>254</u> (s) | 14) _____ (m) _____ . _____ (s) |
| 5) <u>1</u> (m) <u>39</u> . <u>182</u> (s) | 15) _____ (m) _____ . _____ (s) |
| 6) <u>1</u> (m) <u>37</u> . <u>428</u> (s) | 16) _____ (m) _____ . _____ (s) |
| 7) <u>1</u> (m) <u>36</u> . <u>122</u> (s) | 17) _____ (m) _____ . _____ (s) |
| 8) _____ (m) _____ . _____ (s) | 18) _____ (m) _____ . _____ (s) |
| 9) _____ (m) _____ . _____ (s) | 19) _____ (m) _____ . _____ (s) |
| 10) _____ (m) _____ . _____ (s) | 20) _____ (m) _____ . _____ (s) |

LEFT FRONT

Outside	Middle	Inside
<u>151</u> °F	<u>164</u> °F	<u>177</u> °F

Cold: 21 (psi) Hot: 30 (psi)

RIGHT FRONT

Inside	Middle	Outside
<u>182</u> °F	<u>164</u> °F	<u>160</u> °F

Cold: 21 (psi) Hot: 30 (psi)

LEFT REAR

Outside	Middle	Inside
<u>137</u> °F	<u>139</u> °F	<u>140</u> °F

Cold: 19 (psi) Hot: 25 (psi)

RIGHT REAR

Inside	Middle	Outside
<u>142</u> °F	<u>138</u> °F	<u>128</u> °F

Cold: 19 (psi) Hot: 25 (psi)

Notes: Repair damage

HOBBS START: _____
HOBBS STOP: _____ 14M24

MILES: 20

ENGINE OIL TEMP: 210
ENGINE WATER TEMP: 180

BRAKE ROTOR TEMP (LF/RF): 408 / 447
BRAKE ROTOR TEMP (LR/RR): 273 / 268

Group 8

Road Atlanta 2.540 Miles

Qualifying 2

4/25/2014 04:10 PM

Qualifying started at 16:09:28

Pos	No.	Class	Name	Best Tm	Make	Laps	Hometown
1	42	SCA	Mark Furcini	1:29.657	05 Dodge Charger 5822	4	Phoenix AZ
2	33	SCA	John Finger	1:30.188	02 Chev. Monte Carlo NASCAR 5866	6	Greenville SC
3	9	SCA	Brian Norman	1:30.420	06 Dodge Charger NASCAR 5866	3	Loganville GA
4	44	SCA	Maurice Hull	1:30.921	06 Dodge Charger NASCAR 5866	7	High Point NC
5	49	SCA	Jack Finch	1:31.041	06 Dodge Charger NASCAR 5822	2	Thomasville NC
6	99	SCA	Debbie Cloud	1:32.568	06 Ford Fusion NASCAR 5822	6	Wellington OH
7	45	SCA	John Cloud	1:32.940	06 Dodge Charger NASCAR 5822	4	Wellington OH
8	69	SCB	John Orzechowski	1:35.727	00 Chev. Monte Carlo NASCAR 5866	6	Frederick MD
9	29	SCA	Kyle Shields	1:36.577	02 Chev. Monte Carlo 5822	7	Dacula GA
10	90	SCA	Brent Bernath	1:37.355	06 Ford Fusion NASCAR 5927	12	Atlanta GA
11	41	SCB	David Lewis	1:40.170	00 Chev. Monte Carlo NASCAR 5822	11	Jacksonville FL
12	441	SCB	Gary Stach	1:43.813	92 Chevrolet Lumina NASCAR 5822	11	Pickens SC

Track/Event: Road Atlanta/The Mitty

Date: 4/26/2014 Time: 9:30

Weather & Conditions: Sunny / 60.9 / 54.68

Lap Times:

- | | |
|-----------------------------------|-------------------------|
| 1) <u>1</u> (m) <u>55.688</u> (s) | 11) _____ (m) _____ (s) |
| 2) <u>1</u> (m) <u>39.334</u> (s) | 12) _____ (m) _____ (s) |
| 3) <u>1</u> (m) <u>38.165</u> (s) | 13) _____ (m) _____ (s) |
| 4) <u>1</u> (m) <u>36.851</u> (s) | 14) _____ (m) _____ (s) |
| 5) <u>1</u> (m) <u>36.669</u> (s) | 15) _____ (m) _____ (s) |
| 6) _____ (m) _____ (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) |

LEFT FRONT

Outside	Middle	Inside
140 °F	147 °F	165 °F

Cold: 21 (psi) Hot: 28 (psi)

RIGHT FRONT

Inside	Middle	Outside
166 °F	149 °F	140 °F

Cold: 21 (psi) Hot: 28 (psi)

LEFT REAR

Outside	Middle	Inside
143 °F	143 °F	147 °F

Cold: 19 (psi) Hot: 29 (psi)

RIGHT REAR

Inside	Middle	Outside
141 °F	136 °F	128 °F

Cold: 19 (psi) Hot: 29 (psi)

Notes: Fuel - 6 3/4

HOBBS START: _____
 HOBBS STOP: _____ 10 min

MILES: 15

ENGINE OIL TEMP: 190
 ENGINE WATER TEMP: 180

BRAKE ROTOR TEMP (LF/RF): 416 / 1128 / 448
 BRAKE ROTOR TEMP (LR/RR): 258 / 323

135.961 1.34781
3.893 1.887

Group 8

Road Atlanta 2.540 Miles

Qualifying 3

4/26/2014 09:30 AM

Qualifying started at 9:36:18

Pos	No.	Class	Name	Best Tm	Make	Laps	Hometown
1	42	SCA	Mark Furcini	1:27.316	05 Dodge Charger 5822	5	Phoenix AZ
2	33	SCA	John Finger	1:27.477	02 Chev. Monte Carlo NASCAR 5866	5	Greenville SC
3	44	SCA	Maurice Hull	1:28.403	06 Dodge Charger NASCAR 5866	5	High Point NC
4	49	SCA	Jack Finch	1:28.765	06 Dodge Charger NASCAR 5822	5	Thomasville NC
5	9	SCA	Brian Norman	1:28.902	06 Dodge Charger NASCAR 5866	6	Loganville GA
6	45	SCA	John Cloud	1:31.084	06 Dodge Charger NASCAR 5822	5	Wellington OH
7	99	SCA	Debbie Cloud	1:31.995	06 Ford Fusion NASCAR 5822	8	Wellington OH
8	29	SCA	Kyle Shields	1:32.491	02 Chev. Monte Carlo 5822	5	Dacula GA
9	69	SCB	John Orzechowski	1:36.442	00 Chev. Monte Carlo NASCAR 5866	5	Frederick MD
10	90	SCA	Brent Bernath	1:40.151	06 Ford Fusion NASCAR 5927	8	Atlanta GA
11	41	SCB	David Lewis	1:41.008	00 Chev. Monte Carlo NASCAR 5822	4	Jacksonville FL
12	441	SCB	Gary Stach	1:45.780	92 Chevrolet Lumina NASCAR 5822	4	Pickens SC

Track/Event: Road Atlanta / The Pitty

Date: 4/26/2014 Time: 3:55 4:15

Weather & Conditions: Sunny / 88.1 / 33.84

Lap Times:

- 1) 2 (m) 40 . 307 (s)
- 2) 1 (m) 30 . 842 (s)
- 3) 1 (m) 36 . 203 (s)
- 4) 1 (m) 36 . 585 (s)
- 5) 1 (m) 37 . 042 (s)
- 6) 1 (m) 37 . 381 (s)
- 7) 1 (m) 36 . 954 (s)
- 8) 1 (m) 36 . 172 (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
<u>145</u> °F	<u>154</u> °F	<u>157</u> °F

Cold: 21 (psi) Hot: 29 (psi)

RIGHT FRONT

Inside	Middle	Outside
<u>153</u> °F	<u>145</u> °F	<u>134</u> °F

Cold: 21 (psi) Hot: 30 (psi)

LEFT REAR

Outside	Middle	Inside
<u>145</u> °F	<u>146</u> °F	<u>148</u> °F

Cold: 19 (psi) Hot: 23 (psi)

RIGHT REAR

Inside	Middle	Outside
<u>142</u> °F	<u>135</u> °F	<u>127</u> °F

Cold: 19 (psi) Hot: 24 (psi)

Notes:

Temp - 10 mins after race

HOBBS START: _____
HOBBS STOP: _____ 17 min

MILES: 23

ENGINE OIL TEMP: 220
ENGINE WATER TEMP: 190

BRAKE ROTOR TEMP (LF/RF): 315 / 325
BRAKE ROTOR TEMP (LR/RR): 194 / 206

Group 8

Road Atlanta 2.540 Miles

Feature Sprint Race 1

4/26/2014 03:55 PM

Race (7 Laps) started at 16:22:16

Pos	No.	Name	Group	Class	PIC	Laps	Best Tm	Make	Hometown
1	42	Mark Furcini	8	SCA	1	7	1:27.397	05 Dodge Charger 5822	Phoenix AZ
2	33	John Finger	8	SCA	2	7	1:28.026	02 Chev. Monte Carlo NASCAR 58	Greenville SC
3	9	Brian Norman	8	SCA	3	7	1:29.407	06 Dodge Charger NASCAR 5866	Loganville GA
4	44	Maurice Hull	8	SCA	4	7	1:29.321	06 Dodge Charger NASCAR 5866	High Point NC
5	45	John Cloud	8	SCA	5	7	1:32.382	06 Dodge Charger NASCAR 5822	Wellington OH
6	29	Kyle Shields	8	SCA	6	7	1:32.731	02 Chev. Monte Carlo 5822	Dacula GA
7	99	Debbie Cloud	8	SCA	7	7	1:32.423	06 Ford Fusion NASCAR 5822	Wellington OH
8	69	John Orzechowski	8	SCB	1	7	1:36.191	00 Chev. Monte Carlo NASCAR 58	Frederick MD
9	90	Brent Bernath	8	SCA	8	7	1:38.268	06 Ford Fusion NASCAR 5927	Atlanta GA
10	41	David Lewis	8	SCB	2	6	1:43.293	00 Chev. Monte Carlo NASCAR 58	Jacksonville FL
11	441	Gary Stach	8	SCB	3	6	1:45.808	92 Chevrolet Lumina NASCAR 582	Pickens SC

Margin of Victory	Avg. Speed	Best Lap Tm	Best Spd	Best Lap by
3	102.809	1:27.397	104.626	42 - Mark Furcini

Chief of Timing & Scoring: Janet Harhay

Orbits

Competition Director: Dorsey Schroeder

Track/Event: Road Atlanta The Mitty

Date: 4/27/2014 Time: 4:55

Weather & Conditions: cloudy / 88.1 / 41.87

Lap Times:

- | | |
|--|---------------------------------|
| 1) <u>2</u> (m) <u>28</u> . <u>105</u> (s) | 11) _____ (m) _____ . _____ (s) |
| 2) <u>1</u> (m) <u>36</u> . <u>930</u> (s) | 12) _____ (m) _____ . _____ (s) |
| 3) <u>1</u> (m) <u>36</u> . <u>993</u> (s) | 13) _____ (m) _____ . _____ (s) |
| 4) <u>1</u> (m) <u>40</u> . <u>961</u> (s) | 14) _____ (m) _____ . _____ (s) |
| 5) <u>1</u> (m) <u>39</u> . <u>391</u> (s) | 15) _____ (m) _____ . _____ (s) |
| 6) <u>1</u> (m) <u>38</u> . <u>585</u> (s) | 16) _____ (m) _____ . _____ (s) |
| 7) <u>1</u> (m) <u>39</u> . <u>183</u> (s) | 17) _____ (m) _____ . _____ (s) |
| 8) <u>1</u> (m) <u>40</u> . <u>745</u> (s) | 18) _____ (m) _____ . _____ (s) |
| 9) _____ (m) _____ . _____ (s) | 19) _____ (m) _____ . _____ (s) |
| 10) _____ (m) _____ . _____ (s) | 20) _____ (m) _____ . _____ (s) |

LEFT FRONT

Outside	Middle	Inside
<u>123</u> °F	<u>133</u> °F	<u>148</u> °F

Cold: 21 (psi) Hot: 28 (psi)

RIGHT FRONT

Inside	Middle	Outside
<u>153</u> °F	<u>144</u> °F	<u>133</u> °F

Cold: 21 (psi) Hot: 28 (psi)

LEFT REAR

Outside	Middle	Inside
<u>126</u> 147 °F	<u>123</u> 143 °F	<u>117</u> 142 °F

Cold: 19 (psi) Hot: 24 (psi)

RIGHT REAR

Inside	Middle	Outside
<u>142</u> °F	<u>143</u> °F	<u>141</u> °F

Cold: 19 (psi) Hot: 24 (psi)

Notes: Fuel - 8 gallons
1st Place in class
3rd place overall

HOBBS START: _____ ^{17 min}
HOBBS STOP: _____

MILES: 23

ENGINE OIL TEMP: 225
ENGINE WATER TEMP: 190

TOTAL TIME ON OIL FILTER = 3.0
TOTAL TIME = 2.0
TOTAL MILEAGE = 173

BRAKE ROTOR TEMP (LF/RF): 355 / 346
BRAKE ROTOR TEMP (LR/RR): 221 / 216

Group 8

Road Atlanta 2.540 Miles

Feature Sprint Race 2

4/27/2014 04:55 PM

Race (7 Laps) started at 17:03:47

Pos	No.	Name	Group	Class	PIC	Laps	Best Tm	Make	Hometown
1	33	John Finger	8	SCA	1	7	1:29.512	02 Chev. Monte Carlo NASCAR 58	Greenville SC
2	44	Maurice Hull	8	SCA	2	7	1:29.111	06 Dodge Charger NASCAR 5866	High Point NC
3	69	John Orzechowski	8	SCB	1	7	1:36.634	00 Chev. Monte Carlo NASCAR 58	Frederick MD
4	41	David Lewis	8	SCB	2	6	1:46.141	00 Chev. Monte Carlo NASCAR 58	Jacksonville FL
5	441	Gary Stach	8	SCB	3	6	1:47.464	92 Chevrolet Lumina NASCAR 582	Pickens SC
6	45	John Cloud	8	SCA	3	5	1:34.849	06 Dodge Charger NASCAR 5822	Wellington OH
7	9	Brian Norman	8	SCA	4	3	1:29.046	06 Dodge Charger NASCAR 5866	Loganville GA
8	90	Brent Bernath	8	SCA	5	3	1:39.695	06 Ford Fusion NASCAR 5927	Atlanta GA
9	29	Kyle Shields	8	SCA	6	3	1:45.415	02 Chev. Monte Carlo 5822	Dacula GA

Margin of Victory	Avg. Speed	Best Lap Tm	Best Spd	Best Lap by
0	99.648	1:29.046	102.688	9 - Brian Norman

Chief of Timing & Scoring: Janet Harhay

Orbits

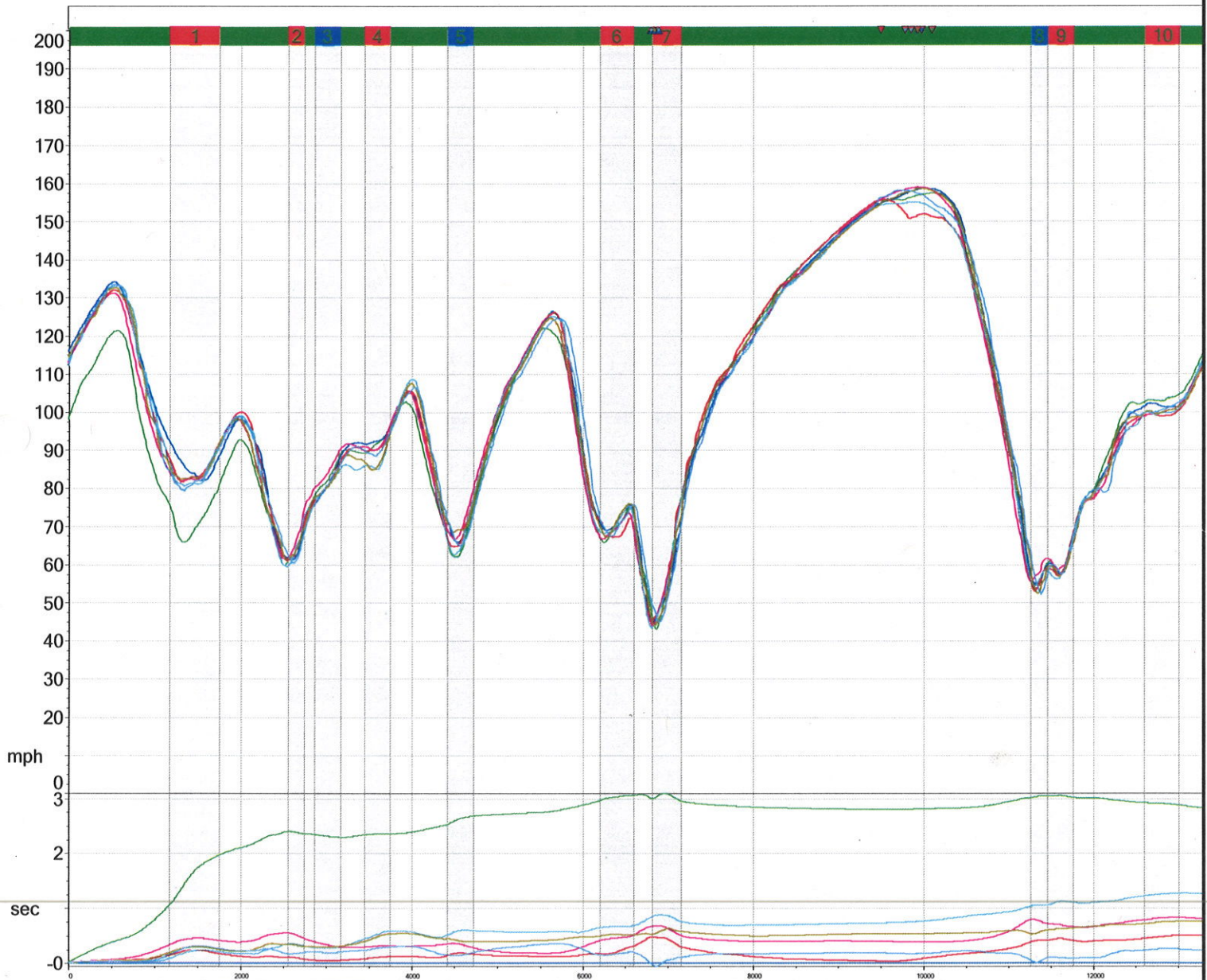
Competition Director: Dorsey Schroeder

Race Studio Analysis - Racing Data Acquisition System



Name: JAO-RoadAtlanta-MonteCarlo-26042014_001
Date: 26-04-14 16:19:42
Track: RoadAtlanta
Vehicle: MonteCarlo
Driver: JAO
Note: HSR Saturday - Race #1

Data: JAO-RoadAtlanta-MonteCarlo-26042014_001 - 2 01.39.018 - GPS_Speed [mph]
JAO-RoadAtlanta-MonteCarlo-26042014_001 - 3 01.36.193 - GPS_Speed [mph]
JAO-RoadAtlanta-MonteCarlo-26042014_001 - 4 01.36.693 - GPS_Speed [mph]
JAO-RoadAtlanta-MonteCarlo-26042014_001 - 5 01.36.999 - GPS_Speed [mph]
JAO-RoadAtlanta-MonteCarlo-26042014_001 - 6 01.37.454 - GPS_Speed [mph]
JAO-RoadAtlanta-MonteCarlo-26042014_001 - 7 01.36.957 - GPS_Speed [mph]
JAO-RoadAtlanta-MonteCarlo-26042014_001 - 8 01.36.424 - GPS_Speed [mph]



John Orzechowski Racing



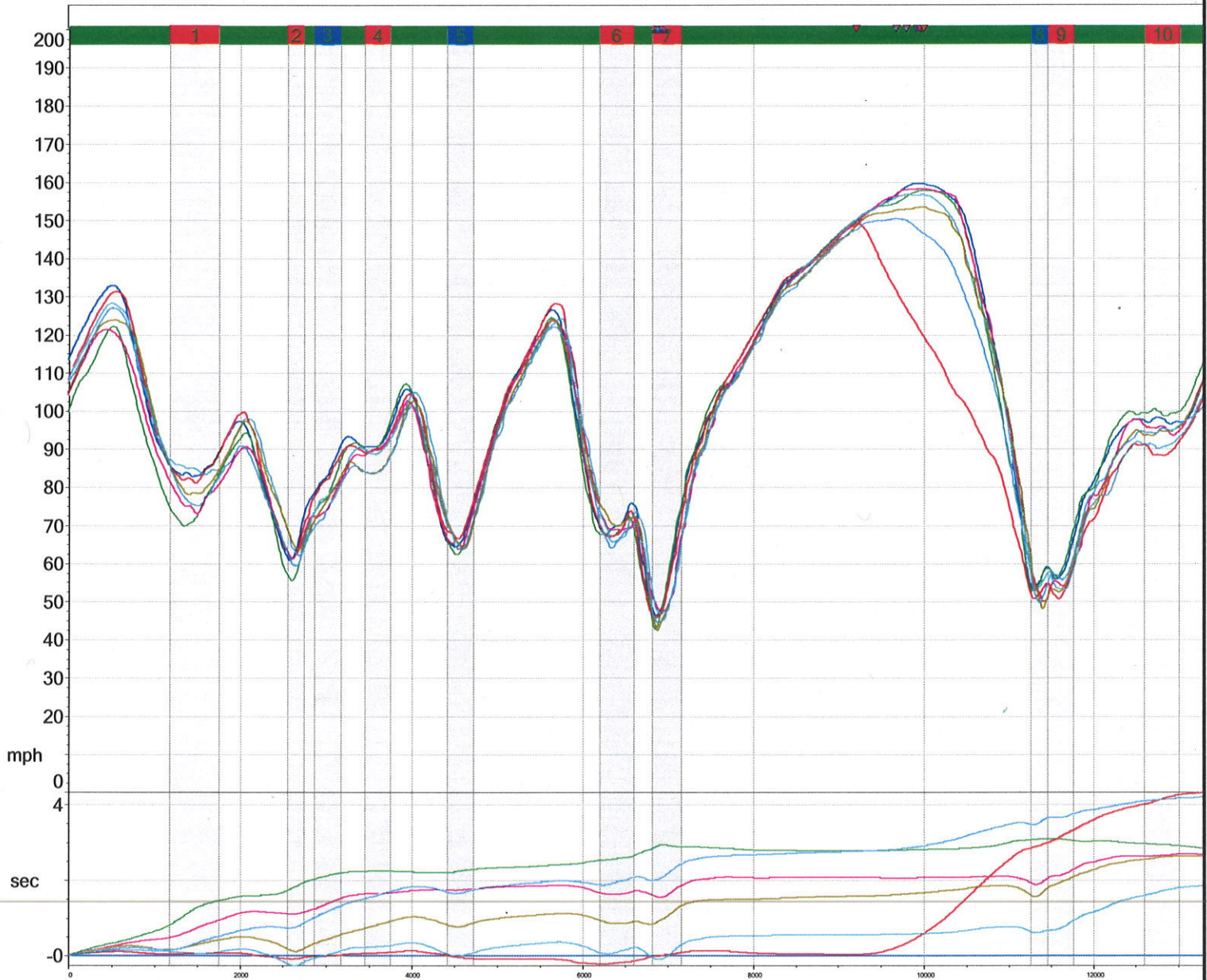
Historic Stock Car Racing

Race Studio Analysis - Racing Data Acquisition System



Name: JAO-RoadAtlanta-MonteCarlo-27042014
Date: 27-04-14 17:01:26
Track: RoadAtlanta
Vehicle: MonteCarlo
Driver: JAO
Note: HSR Sunday - Race #2

Data: JAO-RoadAtlanta-MonteCarlo-27042014 - 3 01.36.652 - GPS_Speed [mph]
JAO-RoadAtlanta-MonteCarlo-27042014 - 2 01.39.477 - GPS_Speed [mph]
JAO-RoadAtlanta-MonteCarlo-27042014 - 4 01.40.973 - GPS_Speed [mph]
JAO-RoadAtlanta-MonteCarlo-27042014 - 5 01.39.312 - GPS_Speed [mph]
JAO-RoadAtlanta-MonteCarlo-27042014 - 6 01.38.500 - GPS_Speed [mph]
JAO-RoadAtlanta-MonteCarlo-27042014 - 7 01.39.281 - GPS_Speed [mph]
JAO-RoadAtlanta-MonteCarlo-27042014 - 8 01.40.858 - GPS_Speed [mph]



John Orzechowski Racing



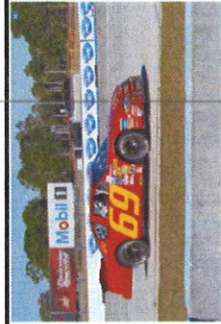
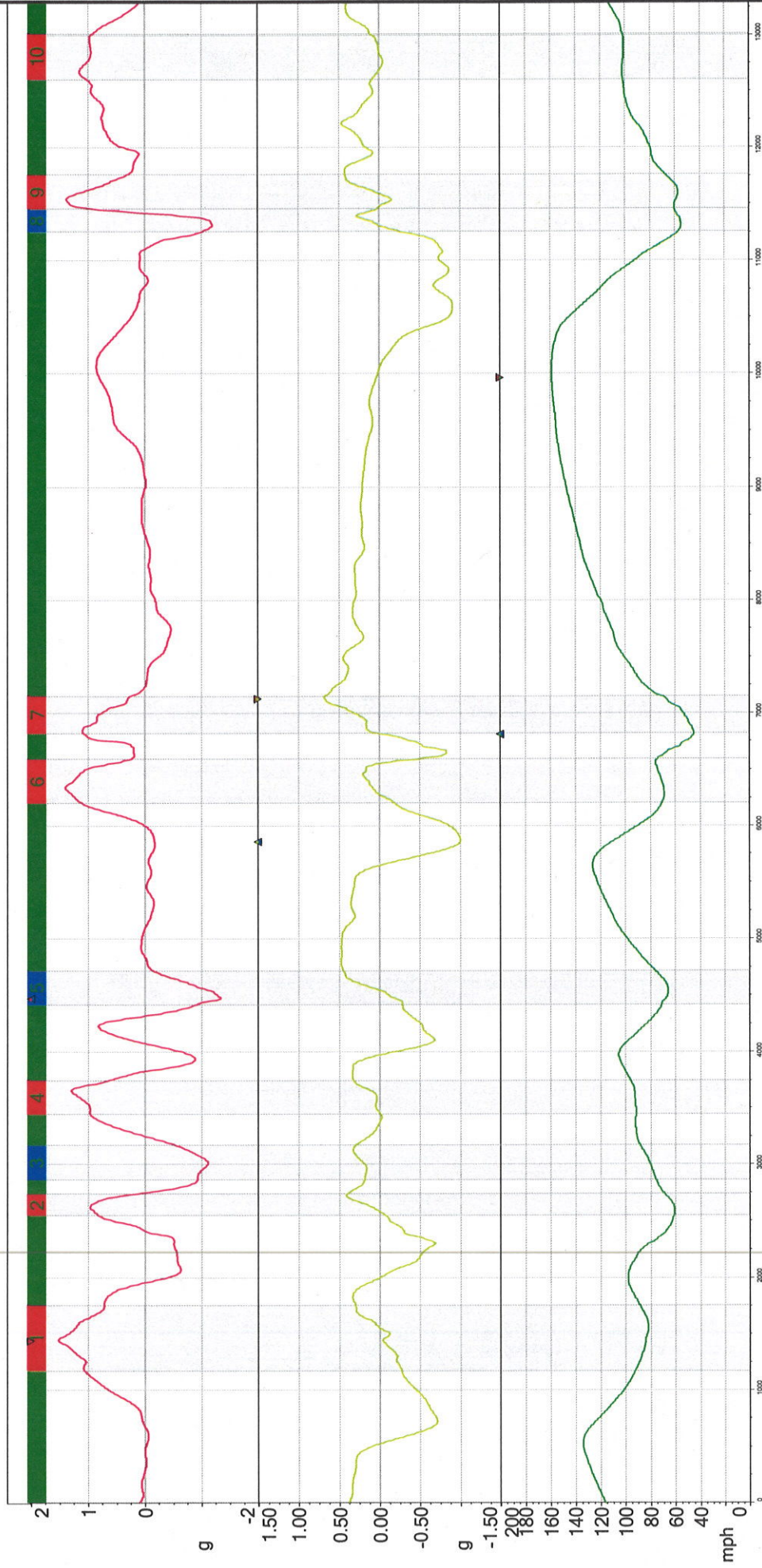
Historic Stock Car Racing

Race Studio Analysis - Racing Data Acquisition System



Name: JAO-RoadAtlanta-MonteCarlo-26042014_001
Date: 26-04-14 16:19:42
Track: RoadAtlanta
Vehicle: MonteCarlo
Driver: JAO
Note: HSR Saturday - Race #1

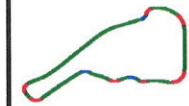
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JAO-RoadAtlanta-MonteCarlo-26042014_001 - 3.01.36.193 - GPS_LonAcc [g]
JAO-RoadAtlanta-MonteCarlo-26042014_001 - 3.01.36.193 - GPS_Speed [mph]



John Orzechowski Racing

Historic Stock Car Racing

Race Studio Analysis - Racing Data Acquisition System

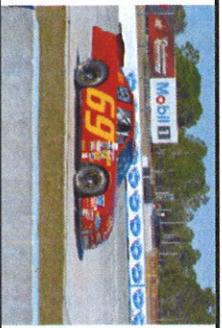


Name: JAO-RoadAtlanta-MonteCarlo-28042014_001
 Date: 28-Jul-14 16:19:42
 Track: RoadAtlanta
 Vehicle: MonteCarlo
 Driver: JAO
 Note: HSR Saturday - Race #1

JAO-VIRGoldCup-MonteCarlo-28092014 - 11 02 04.179 - GPS LatAcc [g]
 JAO-VIRGoldCup-MonteCarlo-28092014 - 11 02 04.179 - GPS LonAcc [g]
 JAO-VIRGoldCup-MonteCarlo-28092014 - 11 02 04.179 - GPS_Speed [mph]

6	7	8	9	10	11				
histo	histo	histo	histo	histo	histo				
3.832	2.594	4.240	22.658	2.434	3.443	6.492	2.706	1.794	01:39.018
3.738	2.651	4.282	22.607	2.407	3.464	6.596	2.748	1.830	01:36.193
3.880	2.823	4.106	22.726	2.444	3.461	6.644	2.810	1.707	01:36.693
3.833	2.820	4.113	22.905	2.328	3.410	6.723	2.789	1.805	01:36.999
3.772	2.821	4.194	22.887	2.425	3.517	6.713	2.801	1.799	01:37.454
3.747	2.660	4.322	22.508	2.475	3.489	6.661	2.783	2.065	01:36.957
3.785	2.423	4.404	22.520	2.451	3.446	6.735	2.766	1.946	01:36.424
3.738	2.423	4.106	22.508	2.328	3.410	6.492	2.706	1.707	
3.880	2.823	4.404	22.905	2.475	3.517	6.735	2.810	2.065	
3.798	2.685	4.237	22.688	2.423	3.461	6.652	2.772	1.849	
0.052	0.149	0.109	0.161	0.047	0.034	0.086	0.036	0.119	
Theoretical best lap									
3.738	2.423	4.106	22.508	2.328	3.410	6.492	2.706	1.707	01:34.651
Best rollina lap									
3.738	2.594	4.240	22.658	2.434	3.443	6.492	2.706	1.794	01:35.967
Split time differences from best lap within test									
0.094	-0.056	-0.042	0.051	0.027	-0.021	-0.104	-0.042	-0.036	00:02.825
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	00:00.000
0.142	0.172	-0.176	0.119	0.036	-0.003	0.049	0.062	-0.123	00:00.500
0.094	0.169	-0.170	0.298	-0.079	-0.054	0.127	0.041	-0.025	00:00.806
0.034	0.170	-0.088	0.280	0.017	0.053	0.117	0.053	-0.031	00:01.261
0.009	0.009	0.039	-0.099	0.068	0.025	0.066	0.035	0.235	00:00.764
0.047	-0.228	0.122	-0.087	0.043	-0.018	0.139	0.017	0.116	00:00.231

John Orzechowski Racing



Historic Stock Car Racing

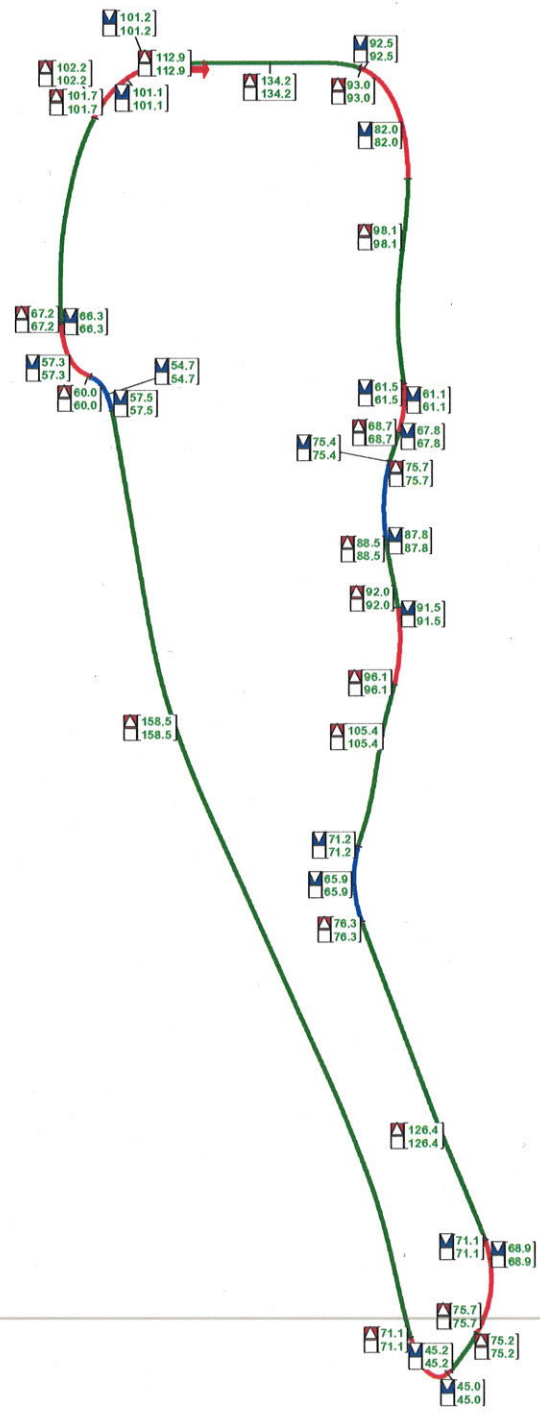
Race Studio Analysis - Racing Data Acquisition System



Name: JAO-RoadAtlanta-MonteCarlo-26042014_001
 Date: 26-04-14 16:19:42
 Track: RoadAtlanta
 Vehicle: MonteCarlo
 Driver: JAO
 Note: HSR Saturday - Race #1

Data: JAO-RoadAtlanta-MonteCarlo-26042014_001 - 3 01.36.193 - GPS_LatAcc [g]
 JAO-RoadAtlanta-MonteCarlo-26042014_001 - 3 01.36.193 - GPS_LongAcc [g]
 JAO-RoadAtlanta-MonteCarlo-26042014_001 - 3 01.36.193 - GPS_Speed [mph]

GPS_Speed
 REF GPS_Speed

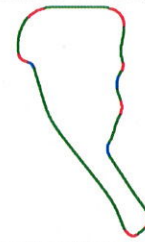


John Orzechowski Racing



Historic Stock Car Racing

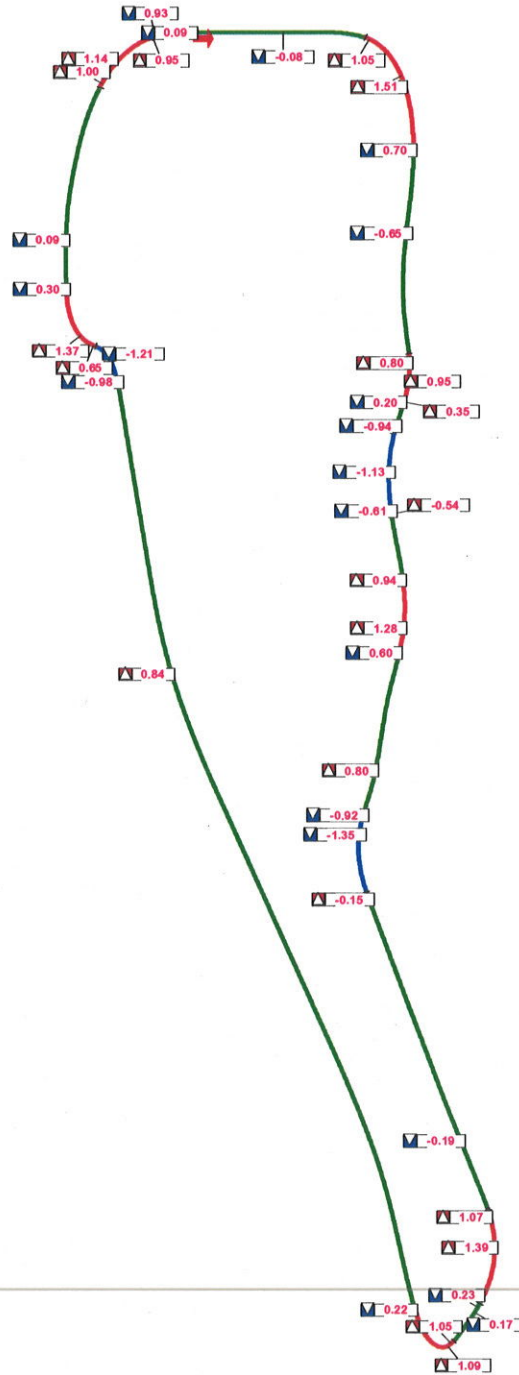
Race Studio Analysis - Racing Data Acquisition System



Name: JAO-RoadAtlanta-MonteCarlo-26042014_001
 Date: 26-04-14 16:19:42
 Track: RoadAtlanta
 Vehicle: MonteCarlo
 Driver: JAO
 Note: HSR Saturday - Race #1

Data: JAO-RoadAtlanta-MonteCarlo-26042014_001 - 3 01:36:193 - GPS_LatAcc [g]
 JAO-RoadAtlanta-MonteCarlo-26042014_001 - 3 01:36:193 - GPS_LonAcc [g]
 JAO-RoadAtlanta-MonteCarlo-26042014_001 - 3 01:36:193 - GPS_Speed [mph]

GPS_LatAcc
 REF GPS_Speed

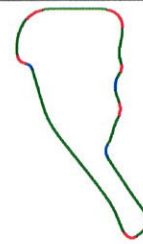


John Orzechowski Racing



Photo by Steve Clark

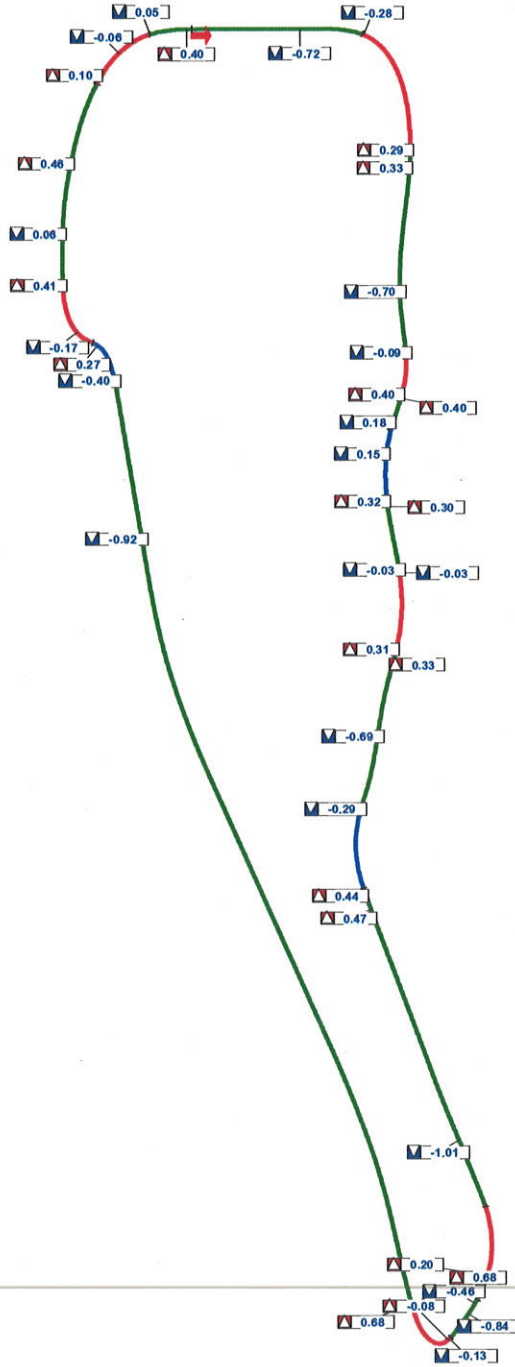
Race Studio Analysis - Racing Data Acquisition System



Name: JAO-RoadAtlanta-MonteCarlo-26042014_001
 Date: 26-04-14 16:10:42
 Track: RoadAtlanta
 Vehicle: MonteCarlo
 Driver: JAO
 Note: HSR Saturday - Race #1

Data: JAO-RoadAtlanta-MonteCarlo-26042014_001 - 3 01:36:193 - GPS_LatAcc [g]
 JAO-RoadAtlanta-MonteCarlo-26042014_001 - 3 01:36:193 - GPS_LonAcc [g]
 JAO-RoadAtlanta-MonteCarlo-26042014_001 - 3 01:36:193 - GPS_Speed [mph]

GPS_LonAcc
 REF GPS_Speed



John Orzechowski Racing



Hektoto - StarK - Car Racing



MOBILE OIL ANALYSIS REPORT

CONTAMINATION	NORMAL
WEAR	NORMAL
OIL CONDITION	NORMAL

69 - Front Gasoline Engine

Unit Make : CHEVY
 Unit Model : MONTE CARLO
 Comp Make : CHEVY
 Comp Model : 350

Serial No : BTK-350
 Cust. Ref No. : {n/a}
 Stub No. : WC-M1165534

Date Rec'd : May 13, 2014
 Sample Date : Apr 27, 2014
 Diagnostician : Jonathan Hester

RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date	11/27/11	11/25/12	07/21/13	Current	UOM
Time on Unit	31	33.5	37	40	hrs
Time on Oil	2	2.5	3.5	3	hrs
Time on Fltr	2	2.5	3.5	3	hrs
Oil Maint.	changed	changed	changed	changed	---
Filter Maint.	changed	changed	changed	changed	---

CONTAMINATION

There is no indication of any contamination in the component.

Sample Date	11/27/11	11/25/12	07/21/13	Current	Abn
Silicon	8.4	8.1	8.1	5.3	30
Potassium	0.0	0.0	2.0	1.6	20
Sodium	342	351	412	389	80
Fuel (%)	<2.0	<2.0	<2.0	<2.0	4.0
Glycol	---	---	---	---	0.06
Water (%)	<0.1	<0.1	<0.1	<0.1	0.1
Soot (%)	0	0	0	0	---
Sulfation (%)	9	9	7	8	100
Nitration (%)	5	5	3	3	100

WEAR

All component wear rates are normal.

Sample Date	11/27/11	11/25/12	07/21/13	Current	Abn
Iron	17	21	22	17	150
Nickel	0.3	0.8	0.5	0.6	5
Chromium	0.9	1.0	1.1	1.0	20
Titanium	17	17	21	22	---
Copper	4.5	5.7	7.1	7.8	155
Aluminum	14	14	13	10	40
Tin	0.0	0.0	0.0	0.0	10
Lead	873	903	995	1190	50
Silver	0.0	0.0	0.0	0.0	2

OIL CONDITION

Oil Type: 14 QTS of VALVOLINE ALLCLIMT 20W50
 The condition of the oil is acceptable for the time in service.

Sample Date	11/27/11	11/25/12	07/21/13	Current	Base
Boron	0.4	0.6	0.8	0.9	
Barium	0.0	0.0	0.0	0.0	
Calcium	1532	1365	1646	1584	
Magnesium	3.9	9.5	3.6	6.5	
Molybdenum	4.3	4.5	3.1	3.4	
Sodium	342	351	412	389	
Phosphorus	810	640	770	722	
Sulfur	2231	1951	1710	779	
Zinc	763	645	764	780	
Visc 40°C (cSt)	---	---	---	---	165.9
Visc 100°C (cSt)	16.94	16.04	17.5	17.62	18.5
VI	---	---	---	---	125
Oxidation (%)	7	9	6	6	

CHASSIS SETUP SHEET

DATE: 9-20-14
 CAR: BNS MONTE CARLO #11
 TRACK: VER

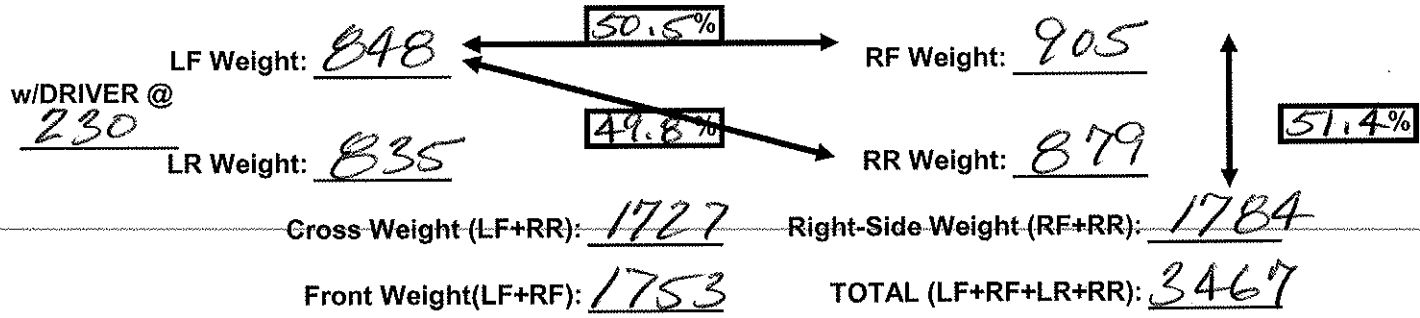
<u>LF</u>	
Tire Pressure:	<u>30 PSI</u>
Tire Size:	<u>HOOSIER HSC</u>
Shock Compression:	
Shock Rebound:	
Spring Rate:	<u>650</u>
Anti-Dive & Slugs:	<u>0.5" (0-0)</u>
Camber & Shims:	<u>-2 3/4" (1/4 + 1/2)</u>
Caster & Slugs:	<u>+5 1/4" (0-0)</u>
Ride Height:	<u>5 3/8"</u>
Upper A-Arm Angle:	<u>20.2°</u>
Wheel Spacers:	<u>1/8"</u>

<u>RF</u>	
Tire Pressure:	<u>30 PSI</u>
Tire Size:	<u>HOOSIER HSC</u>
Shock Compression:	
Shock Rebound:	
Spring Rate:	<u>650</u>
Anti-Dive & Slugs:	<u>0.5" (0-0)</u>
Camber & Shims:	<u>-2 3/8" (1/4)</u>
Caster & Slugs:	<u>+5 1/4" (3/8 - 3/8)</u>
Ride Height:	<u>5 5/8"</u>
Upper A-Arm Angle:	<u>19.9°</u>
Wheel Spacers:	<u>1/4" + 1/8"</u>

Front Valence Height: LF= 4" RF= 4 1/8"
 Front / Rear Brake Bias: FRONT: _____ REAR: _____
 Front Toe-Out: 3/16"
 Front Sway Bar: 1 3/16" HOLLOW / NEUTRAL
 Rear Sway Bar: 0.900" SOLID / NEUTRAL
 Rear End Ratio: 3.70:1
 Rear Pinion Angle: 3.5° DOWN SHIM: ~2.0°
 Track Bar Height: LR= 10 3/4" RR= 10 3/4"
 Fuel Level: FULL

<u>LR</u>	
Tire Pressure:	<u>30 PSI</u>
Tire Size:	<u>HOOSIER HSC</u>
Shock Compression:	
Shock Rebound:	
Spring Rate:	<u>375</u>
Camber:	<u>-0.5°</u>
Ride Height:	<u>6 1/4"</u>
Trailing Arm Angle:	<u>0.8° ↑ REAR</u>
Wheel Spacers:	<u>1/4" + 1/8"</u>

<u>RR</u>	
Tire Pressure:	<u>30 PSI</u>
Tire Size:	<u>HOOSIER HSC</u>
Shock Compression:	
Shock Rebound:	
Spring Rate:	<u>375</u>
Camber:	<u>-0.5°</u>
Ride Height:	<u>6 5/8"</u>
Trailing Arm Angle:	<u>0.6° ↑ REAR</u>
Wheel Spacers:	<u>1/4" + 1/8"</u>



NOTES: * TOTAL TIME ON ENGINE = 40.5 HOURS
 * CHANGED OIL & FILTER
 * CHANGED FRONT BRAKE PADS
 * REPAIRED FRONT END DAMAGE
 - NEW FENDERS, HOOD, NOSE
 - REPAINTED & DISASSEMBLED
 - CHANGED CAR NUMBER TO 11

Track/Event: VIR / SVRA GOLD CUP

Date: 9-25-14 Time: 2:10 PM

Weather & Conditions: OVERCAST 70° 71% RH

Lap Times:

- | | |
|----------------------------------|-----------------------|
| 1) <u>2</u> (m) <u>26.26</u> (s) | 11) ____ (m) ____ (s) |
| 2) <u>2</u> (m) <u>12.14</u> (s) | 12) ____ (m) ____ (s) |
| 3) <u>2</u> (m) <u>11.67</u> (s) | 13) ____ (m) ____ (s) |
| 4) <u>2</u> (m) <u>09.20</u> (s) | 14) ____ (m) ____ (s) |
| 5) <u>2</u> (m) <u>08.12</u> (s) | 15) ____ (m) ____ (s) |
| 6) <u>2</u> (m) <u>07.18</u> (s) | 16) ____ (m) ____ (s) |
| 7) <u>2</u> (m) <u>07.72</u> (s) | 17) ____ (m) ____ (s) |
| 8) <u>3</u> (m) <u>53.70</u> (s) | 18) ____ (m) ____ (s) |
| 9) ____ (m) ____ (s) | 19) ____ (m) ____ (s) |
| 10) ____ (m) ____ (s) | 20) ____ (m) ____ (s) |

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 21 (psi) Hot: 28.5 (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 21 (psi) Hot: 28 (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 19 (psi) Hot: 24 (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 19 (psi) Hot: 24 (psi)

Notes: FIRST RUN ON TEST DAY

DAMP TRACK

CAR FEELS GOOD

NO PROBLEMS SO FAR

HOBBES START: 20 MIN
HOBBES STOP: _____

MILES: 26.5

ENGINE OIL TEMP: 190
ENGINE WATER TEMP: 180

BRAKE ROTOR TEMP (LF/RF): 1
BRAKE ROTOR TEMP (LR/RR): 1

Track/Event: VIR / SVRA GOLD CUP

Date: 9-25-14 Time: 4:50 pm

Weather & Conditions: OVERCAST 71° 71% RH

Lap Times:

- 1) 2 (m) 52.30 (s)
- 2) 2 (m) 07.47 (s)
- 3) 2 (m) 06.73 (s)
- 4) 2 (m) 07.70 (s)
- 5) 2 (m) 04.54 (s)
- 6) 2 (m) 05.43 (s)
- 7) 2 (m) 05.93 (s)
- 8) 4 (m) 02.11 (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: 21 (psi) Hot: 27 (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 21 (psi) Hot: 28 (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 19 (psi) Hot: 23 (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 19 (psi) Hot: 23 (psi)

Notes: 2ND RUN TEST DAY
TRACK PRETTY DRY
CAR WAS FEELING BETTER

HOBBS START: 20 min
HOBBS STOP: _____

MILES: 26.4

ENGINE OIL TEMP: 190
ENGINE WATER TEMP: 180

BRAKE ROTOR TEMP (LF/RF): 1
BRAKE ROTOR TEMP (LR/RR): 1

Track/Event: VIR / SVRA GOLD CUP

Date: 9-26-14

Time: 10:55 AM

Weather & Conditions: OVERCAST 70° 71%RH
PRACTICE

Lap Times:

- 1) 2 (m) 56.55 (s)
- 2) 2 (m) 14.70 (s)
- 3) 2 (m) 06.48 (s)
- 4) 2 (m) 06.20 (s)
- 5) 2 (m) 05.66 (s)
- 6) 2 (m) 06.23 (s)
- 7) 2 (m) 06.00 (s)
- 8) 2 (m) 05.63 (s)
- 9) 2 (m) 06.09 (s)
- 10) 4 (m) 00.27 (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: 21 (psi) Hot: 28.5 (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 21 (psi) Hot: 28 (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 19 (psi) Hot: 22.5 (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 19 (psi) Hot: 22.5 (psi)

Notes: 1st PRACTICE SESSION

*ADDED 11 GALLONS FUEL

HOBBES START: 24 min
HOBBES STOP: _____

MILES: 32.9

ENGINE OIL TEMP: 190
ENGINE WATER TEMP: 170

BRAKE ROTOR TEMP (LF/RF): 1
BRAKE ROTOR TEMP (LR/RR): 1

Group 10

Virginia International Raceway 3.270 Miles

Practice 1

9/26/2014 10:55 AM

Practice started at 10:56:08

Pos	No.	Name	Class	Best Tm	Year	Make	Model	Engine	Color	Hometown
1	90A	Sean Ryan	10SC3	1:54.377	2006	Ford	Fusion	358cid	Silver	Candler NC
2	44	Maurice Hull	10SC3	1:58.495	2006	Dodge	Charger	358cid	Blue	High Point NC
3	49	Jack Finch	10SC3	1:58.608	2006	Dodge	Charger	358cid	Black	Thomasville NC
4	90	Jeffrey Bernatovich	10GT1	2:00.772	1990	Chevrolet	GT1 Corvette	358cid	Red	Brewerton NY
5	4	Mark Gobble	10SC3	2:01.603	2002	Chevrolet	Monte Carlo	358cid	Black	Salem VA
6	11	John Orzechowski	10SC3	2:05.633	2000	Chevrolet	Monte Carlo	358cid	Red	Frederick MD
7	45	John Cloud	10SC3	2:14.177	2006	Dodge	Charger	358cid	Black	Wellington OH
8	35	Roger Gillispie	10GT2	2:14.329	1995	BMW	M3	3152cc	White/Yellow	Danville VA
9	2A	Mike Fisher	10MP	2:14.938	2000	Audi	S4	2700cc	Red/Silver	Lake Leelanau MI
10	56	William Ironside	10GT2	2:21.173	1985	Porsche	911	3367cc	Silver	LA Place LA
11	99	Debbie Cloud	10SC3	6:48.847	2006	Ford	Fusion SC	358cid	Black/Green	Wellington OH



Track/Event: VIR/SVRA GOLD CUP

Date: 9-26-14 Time: 2:20 PM

Weather & Conditions: PARTLY CLOUDY 80° 54%RH
QUALIFYING #1

Lap Times:

- | | |
|----------------------------------|-------------------------|
| 1) <u>2</u> (m) <u>49.52</u> (s) | 11) _____ (m) _____ (s) |
| 2) <u>2</u> (m) <u>06.74</u> (s) | 12) _____ (m) _____ (s) |
| 3) <u>2</u> (m) <u>06.26</u> (s) | 13) _____ (m) _____ (s) |
| 4) <u>2</u> (m) <u>08.28</u> (s) | 14) _____ (m) _____ (s) |
| 5) <u>2</u> (m) <u>06.19</u> (s) | 15) _____ (m) _____ (s) |
| 6) <u>2</u> (m) <u>05.26</u> (s) | 16) _____ (m) _____ (s) |
| 7) <u>2</u> (m) <u>05.98</u> (s) | 17) _____ (m) _____ (s) |
| 8) <u>3</u> (m) <u>51.46</u> (s) | 18) _____ (m) _____ (s) |
| 9) _____ (m) _____ (s) | 19) _____ (m) _____ (s) |
| 10) _____ (m) _____ (s) | 20) _____ (m) _____ (s) |

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 20 (psi) Hot: 26.5 (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 20 (psi) Hot: 27.5 (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 19 (psi) Hot: 23 (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 19 (psi) Hot: 23.5 (psi)

Notes:

* CHANGE FRONT AIR PRESSURE TO 20 PSI

* ADD ONE ROUND TO FRONT TO
RAISE THE NOSE

HOBBS START: 20 MIN

HOBBS STOP: _____

MILES: 26.5

ENGINE OIL TEMP: 200

ENGINE WATER TEMP: 180

BRAKE ROTOR TEMP (LF/RF): /

BRAKE ROTOR TEMP (LR/RR): /

Group 10

Virginia International Raceway 3.270 Miles

Qualifying 1

9/26/2014 02:20 PM

Qualifying started at 14:20:24

Pos	No.	Name	Class	Best Tm	Year	Make	Model	Engine	Color	Hometown
1	44	Maurice Hull	10SC3	1:55.363	2006	Dodge	Charger	358cid	Blue	High Point NC
2	90A	Sean Ryan	10SC3	1:55.597	2006	Ford	Fusion	358cid	Silver	Candler NC
3	49	Jack Finch	10SC3	1:57.581	2006	Dodge	Charger	358cid	Black	Thomasville NC
4	90	Jeffrey Bernatovich	10GT1	1:57.786	1990	Chevrolet	GT1 Corvette	358cid	Red	Brewerton NY
5	99	Debbie Cloud	10SC3	2:01.016	2006	Ford	Fusion SC	358cid	Black/Green	Wellington OH
6	4	Mark Gobble	10SC3	2:01.227	2002	Chevrolet	Monte Carlo	358cid	Black	Salem VA
7	45	John Cloud	10SC3	2:03.775	2006	Dodge	Charger	358cid	Black	Wellington OH
8	11	John Orzechowski	10SC3	2:05.269	2000	Chevrolet	Monte Carlo	358cid	Red	Frederick MD
9	35	Roger Gillispie	10GT2	2:12.001	1995	BMW	M3	3152cc	White/Yellow	Danville VA
10	2A	Mike Fisher	10MP	2:14.946	2000	Audi	S4	2700cc	Red/Silver	Lake Leelanau MI
11	56	William Ironside	10GT2	2:23.763	1985	Porsche	911	3367cc	Silver	LA Place LA
12	16	Joseph Hartsell	10GT1	2:41.403	1974	Chevrolet	Corvette	494cid	Red/White/Blue	Rock Hill SC



Track/Event: VIR/SVRA Gold Cup

Date: 9/27/2014

Time: 10:55 AM

Weather & Conditions: Sunny 73° 58% RA

QUALIFYING #2

Lap Times:

- 1) 2 (m) 26.23 (s)
- 2) 2 (m) 06.88 (s)
- 3) 2 (m) 05.75 (s)
- 4) 2 (m) 05.34 (s)
- 5) 2 (m) 05.35 (s)
- 6) 2 (m) 05.39 (s)
- 7) 2 (m) 04.57 (s)
- 8) 2 (m) 05.10 (s)
- 9) 2 (m) 03.76 (s)
- 10) 2 (m) 54.57 (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: 20 (psi) Hot: 27 (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 20 (psi) Hot: 28 (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 19 (psi) Hot: 23 (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 19 (psi) Hot: 25 (psi)

Notes: - Added 11 gallons of fuel prior
 - changed 4 tires to Sonoma 2013
Goodyear 4590

HOBBES START: 23 min
 HOBBES STOP: _____

MILES: 32.6

ENGINE OIL TEMP: 190
 ENGINE WATER TEMP: 170

BRAKE ROTOR TEMP (LF/RF): 1
 BRAKE ROTOR TEMP (LR/RR): 1

Group 10

Virginia International Raceway 3.270 Miles

Qualifying 2

9/27/2014 10:55 AM

Qualifying started at 10:55:59

Pos	No.	Name	Class	Best Tm	Year	Make	Model	Engine	Color	Hometown
1	44	Maurice Hull	10SC3	1:54.934	2006	Dodge	Charger	358cid	Blue	High Point NC
2	90A	Sean Ryan	10SC3	1:54.969	2006	Ford	Fusion	358cid	Silver	Candler NC
3	49	Jack Finch	10SC3	1:56.643	2006	Dodge	Charger	358cid	Black	Thomasville NC
4	45	John Cloud	10SC3	1:59.900	2006	Dodge	Charger	358cid	Black	Wellington OH
5	4	Mark Gobble	10SC3	2:00.052	2002	Chevrolet	Monte Carlo	358cid	Black	Salem VA
6	11	John Orzechowski	10SC3	2:03.632	2000	Chevrolet	Monte Carlo	358cid	Red	Frederick MD
7	2A	Mike Fisher	10MP	2:13.428	2000	Audi	S4	2700cc	Red/Silver	Lake Leelanau MI
8	56	William Ironside	10GT2	2:19.414	1985	Porsche	911	3367cc	Silver	LA Place LA



Track/Event: VIR / SVRA GOLD CUP

Date: 9-27-14 Time: 4:35 PM

Weather & Conditions: SUNNY 79° 53% RH

RACE #1

Lap Times:

- | | |
|--|--|
| 1) <u>3</u> (m) <u>34</u> . <u>16</u> (s) | 11) <u>3</u> (m) <u>51</u> . <u>98</u> (s) |
| 2) <u>2</u> (m) <u>08</u> . <u>08</u> (s) | 12) _____ (m) _____ . _____ (s) |
| 3) <u>2</u> (m) <u>05</u> . <u>88</u> (s) | 13) _____ (m) _____ . _____ (s) |
| 4) <u>2</u> (m) <u>06</u> . <u>20</u> (s) | 14) _____ (m) _____ . _____ (s) |
| 5) <u>2</u> (m) <u>06</u> . <u>68</u> (s) | 15) _____ (m) _____ . _____ (s) |
| 6) <u>2</u> (m) <u>06</u> . <u>09</u> (s) | 16) _____ (m) _____ . _____ (s) |
| 7) <u>2</u> (m) <u>07</u> . <u>43</u> (s) | 17) _____ (m) _____ . _____ (s) |
| 8) <u>2</u> (m) <u>07</u> . <u>09</u> (s) | 18) _____ (m) _____ . _____ (s) |
| 9) <u>2</u> (m) <u>06</u> . <u>59</u> (s) | 19) _____ (m) _____ . _____ (s) |
| 10) <u>2</u> (m) <u>06</u> . <u>51</u> (s) | 20) _____ (m) _____ . _____ (s) |

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 20 (psi) Hot: 27 (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 20 (psi) Hot: 28 (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 19 (psi) Hot: 23 (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 19 (psi) Hot: 24 (psi)

Notes: _____

HOBBS START: _____
 HOBBS STOP: _____
 Time: 27 mins
 MILES: 36.2

ENGINE OIL TEMP: 200
 ENGINE WATER TEMP: 180

BRAKE ROTOR TEMP (LF/RF): /
 BRAKE ROTOR TEMP (LR/RR): /

2014 SVRA The Heacock Classic Gold Cup

Sorted on Laps

Group 10

Virginia International Raceway 3.270 Miles

Race 1

9/27/2014 04:35 PM

Race (15:00 and 1 Laps) started at 17:07:40

Pos	No.	PIC Name	Class	Best Time	Laps	Year	Make	Model	Engine	Hometown
1	90	1 Jeffrey Bernatovich	10GT1	1:55.166	9	1990	Chevrolet	GT1 Corvette	358cid	Brewerton NY
2	90A	1 Sean Ryan	10SC3	1:56.849	9	2006	Ford	Fusion	358cid	Candler NC
3	49	2 Jack Finch	10SC3	1:57.645	9	2006	Dodge	Charger	358cid	Thomasville NC
4	44	3 Maurice Hull	10SC3	1:57.826	9	2006	Dodge	Charger	358cid	High Point NC
5	99	4 Debbie Cloud	10SC3	1:59.920	9	2006	Ford	Fusion SC	358cid	Wellington OH
6	45	5 John Cloud	10SC3	2:01.623	9	2006	Dodge	Charger	358cid	Wellington OH
7	4	6 Mark Gobble	10SC3	2:01.447	9	2002	Chevrolet	Monte Carlo	358cid	Salem VA
8	11	7 John Orzechowski	10SC3	2:05.867	9	2000	Chevrolet	Monte Carlo	358cid	Frederick MD
9	35	1 Roger Gillispie	10GT2	2:11.700	8	1995	BMW	M3	3152cc	Danville VA
10	2A	1 Mike Fisher	10MP	2:10.430	8	2000	Audi	S4	2700cc	Lake Leelanau MI
11	56	2 William Ironside	10GT2	2:18.321	1	1985	Porsche	911	3367cc	LA Place LA
12	16	2 Joseph Hartsell	10GT1	2:22.330	1	1974	Chevrolet	Corvette	494cid	Rock Hill SC

Margin of Victory	Avg. Speed	Best Lap Tm	Best Spd	Best Lap by
1 }	100.490	1:55.166	102.218	90 - Jeffrey Bernatovich

Orbits



Stand21 - A Strategic Safety Partner with SVRA



Pulstar Pulse Plugs - The Official Spark Plug of SVRA



Studio 47 - The Official Race Car Restoration Service of SVRA

Track/Event: VIR/SVRA Gold Cup

Date: 9/28/2014 Time: 4:10pm

Weather & Conditions: Sunny w/ clouds 81.5° 53% RH
RACE #2

Lap Times:

- 1) 3 (m) 22.52 (s)
- 2) 2 (m) 07.18 (s)
- 3) 2 (m) 06.33 (s)
- 4) 2 (m) 05.46 (s)
- 5) 2 (m) 05.44 (s)
- 6) 2 (m) 06.17 (s)
- 7) 2 (m) 04.48 (s)
- 8) 2 (m) 04.82 (s)
- 9) 2 (m) 04.72 (s)
- 10) 2 (m) 04.18 (s)

- 11) 3 (m) 47.40 (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: 20 (psi) Hot: 27.5 (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 20 (psi) Hot: 28 (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 19 (psi) Hot: 23 (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 19 (psi) Hot: 24 (psi)

Notes: - Added 11 gallons of fuel prior
- Take Round out previously added
to bring nose back down to counteract
for the different tires (circumference
difference on tires)

HOBBS START: 27 min
HOBBS STOP: _____

MILES: 36.2

ENGINE OIL TEMP: 210
ENGINE WATER TEMP: 180

TOTAL TIME ON OIL & FILTER = 3.25
TOTAL TIME = 2.75
TOTAL MILEAGE = 217

BRAKE ROTOR TEMP (LF/RF): 1
BRAKE ROTOR TEMP (LR/RR): 1

2014 SVRA The Heacock Classic Gold Cup

Sorted on Laps

Group 10

Virginia International Raceway 3.270 Miles

Gold Cup Race

9/28/2014 04:10 PM

Race (15:00 and 1 Laps) started at 16:13:14

Pos	No.	PIC Name	Class	Best Time	Laps	Year	Make	Model	Engine	Hometown
1	90	1 Jeffrey Bernatovich	10GT1	1:54.055	9	1990	Chevrolet	GT1 Corvette	358cid	Brewerton NY
2	90A	1 Sean Ryan	10SC3	1:54.060	9	2006	Ford	Fusion	358cid	Candler NC
3	44	2 Maurice Hull	10SC3	1:57.409	9	2006	Dodge	Charger	358cid	High Point NC
4	4	3 Mark Gobble	10SC3	2:01.546	9	2002	Chevrolet	Monte Carlo	358cid	Salem VA
5	45	4 John Cloud	10SC3	2:03.818	9	2006	Dodge	Charger	358cid	Wellington OH
6	11	5 John Orzechowski	10SC3	2:04.160	9	2000	Chevrolet	Monte Carlo	358cid	Frederick MD
7	56	1 William Ironside	10GT2	2:31.711	4	1985	Porsche	911	3367cc	LA Place LA
8	49	6 Jack Finch	10SC3	1:57.423	3	2006	Dodge	Charger	358cid	Thomasville NC

Margin of Victory	Avg. Speed	Best Lap Tm	Best Spd	Best Lap by
C	102.305	1:54.055	103.213	90 - Jeffrey Bernatovich

Orbits



Stand21- A Strategic Safety Partner with SVRA

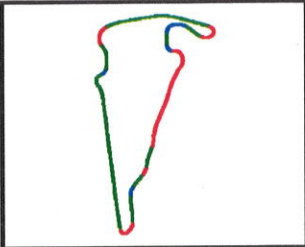


Pulstar Pulse Plugs -- The Official Spark Plug of SVRA



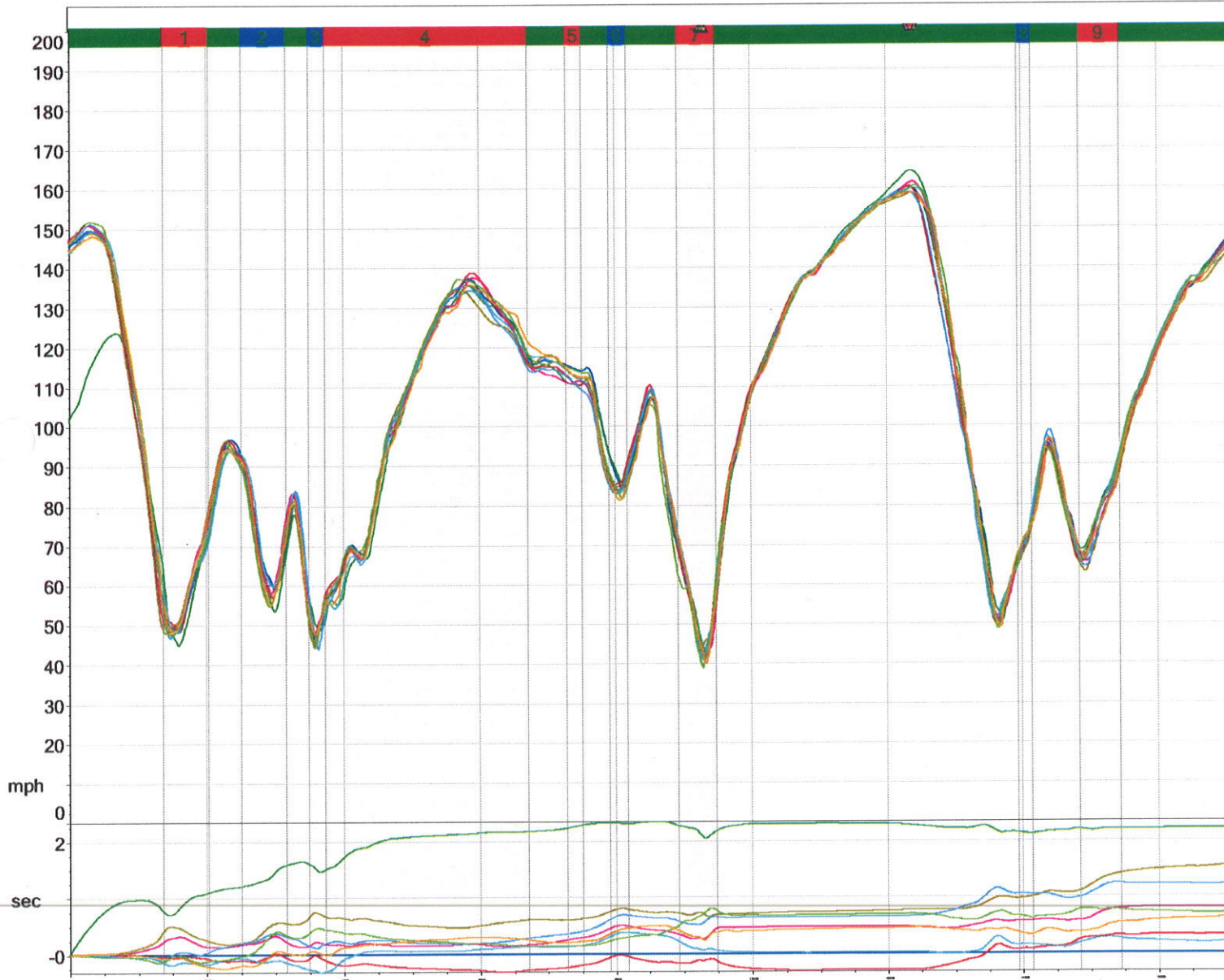
Studio 47 -- The Official Race Car Restoration Service of SVRA

Race Studio Analysis - Racing Data Acquisition System



Name: JAO-VIRGoldCup-MonteCarlo-27092014_001
Date: 27-09-14 17:03:40
Track: VIR
Vehicle: MonteCarlo
Driver: JAO
Note: Race #1

Data: JAO-VIRGoldCup-MonteCarlo-27092014_001 - 4 02.05.877 - GPS_Speed [mph]
JAO-VIRGoldCup-MonteCarlo-27092014_001 - 3 02.08.084 - GPS_Speed [mph]
JAO-VIRGoldCup-MonteCarlo-27092014_001 - 5 02.06.197 - GPS_Speed [mph]
JAO-VIRGoldCup-MonteCarlo-27092014_001 - 6 02.06.682 - GPS_Speed [mph]
JAO-VIRGoldCup-MonteCarlo-27092014_001 - 7 02.06.085 - GPS_Speed [mph]
JAO-VIRGoldCup-MonteCarlo-27092014_001 - 8 02.07.425 - GPS_Speed [mph]
JAO-VIRGoldCup-MonteCarlo-27092014_001 - 9 02.07.089 - GPS_Speed [mph]
JAO-VIRGoldCup-MonteCarlo-27092014_001 - 10 02.06.588 - GPS_Speed [mph]
JAO-VIRGoldCup-MonteCarlo-27092014_001 - 11 02.06.506 - GPS_Speed [mph]

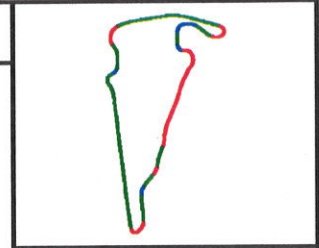


John Orzechowski Racing



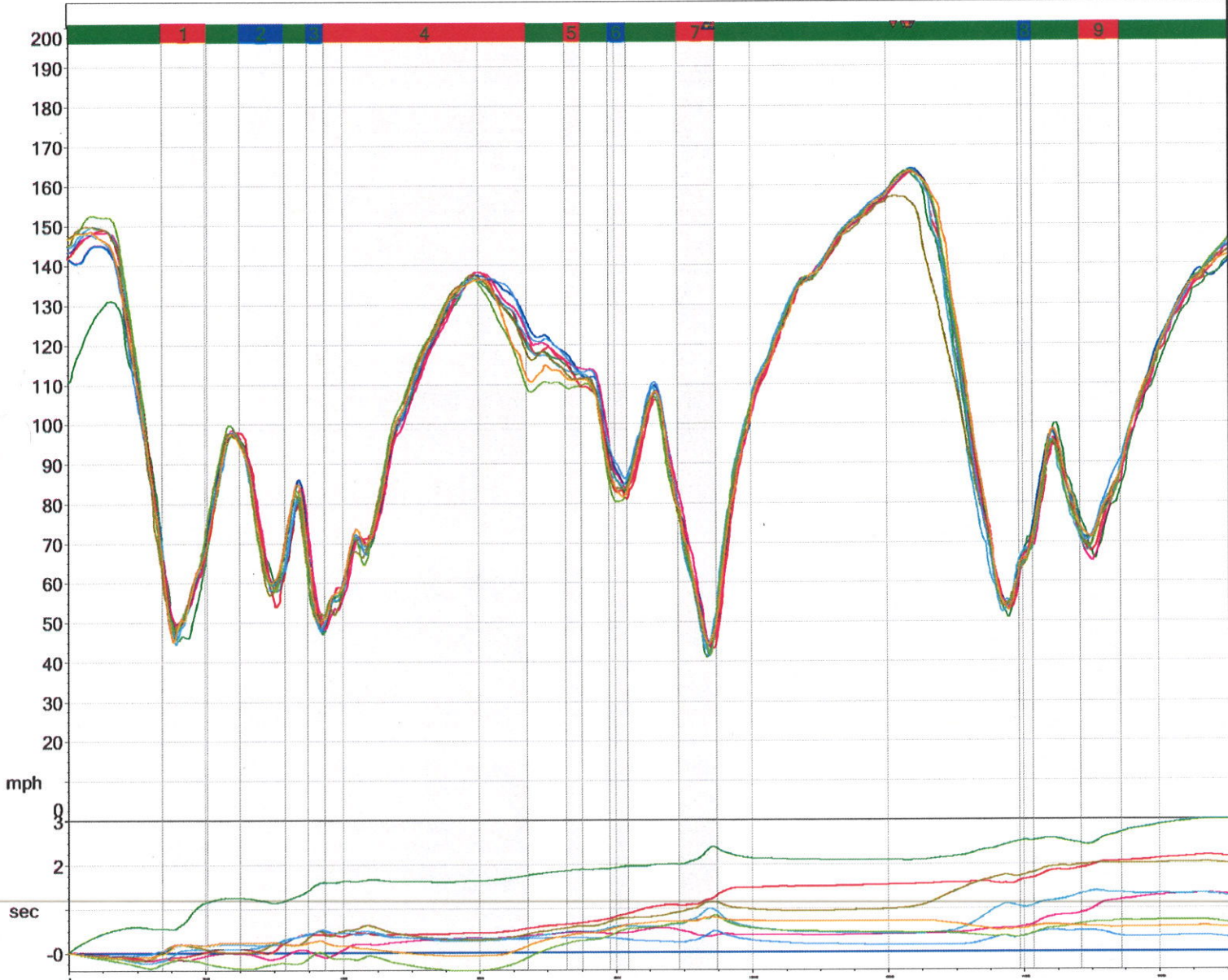
Historic Stock Car Racing

Race Studio Analysis - Racing Data Acquisition System

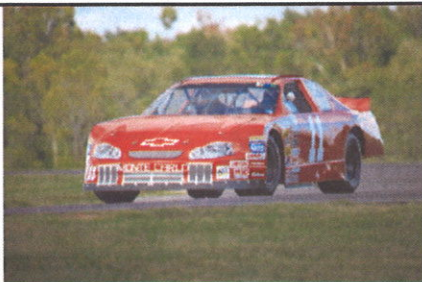


Name: JAO-VIRGoldCup-MonteCarlo-28092014
Date: 28-09-14 16:09:27
Track: VIR
Vehicle: MonteCarlo
Driver: JAO
Note: Race #2 - Gold Cup Race

Data: JAO-VIRGoldCup-MonteCarlo-28092014 - 11 02.04.179 - GPS_Speed [mph]
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JAO-VIRGoldCup-MonteCarlo-28092014 - 7 02.06.172 - GPS_Speed [mph]
JAO-VIRGoldCup-MonteCarlo-28092014 - 8 02.04.484 - GPS_Speed [mph]
JAO-VIRGoldCup-MonteCarlo-28092014 - 9 02.04.820 - GPS_Speed [mph]
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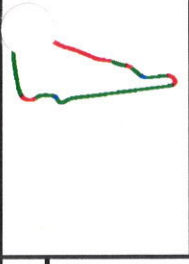


John Orzechowski Racing



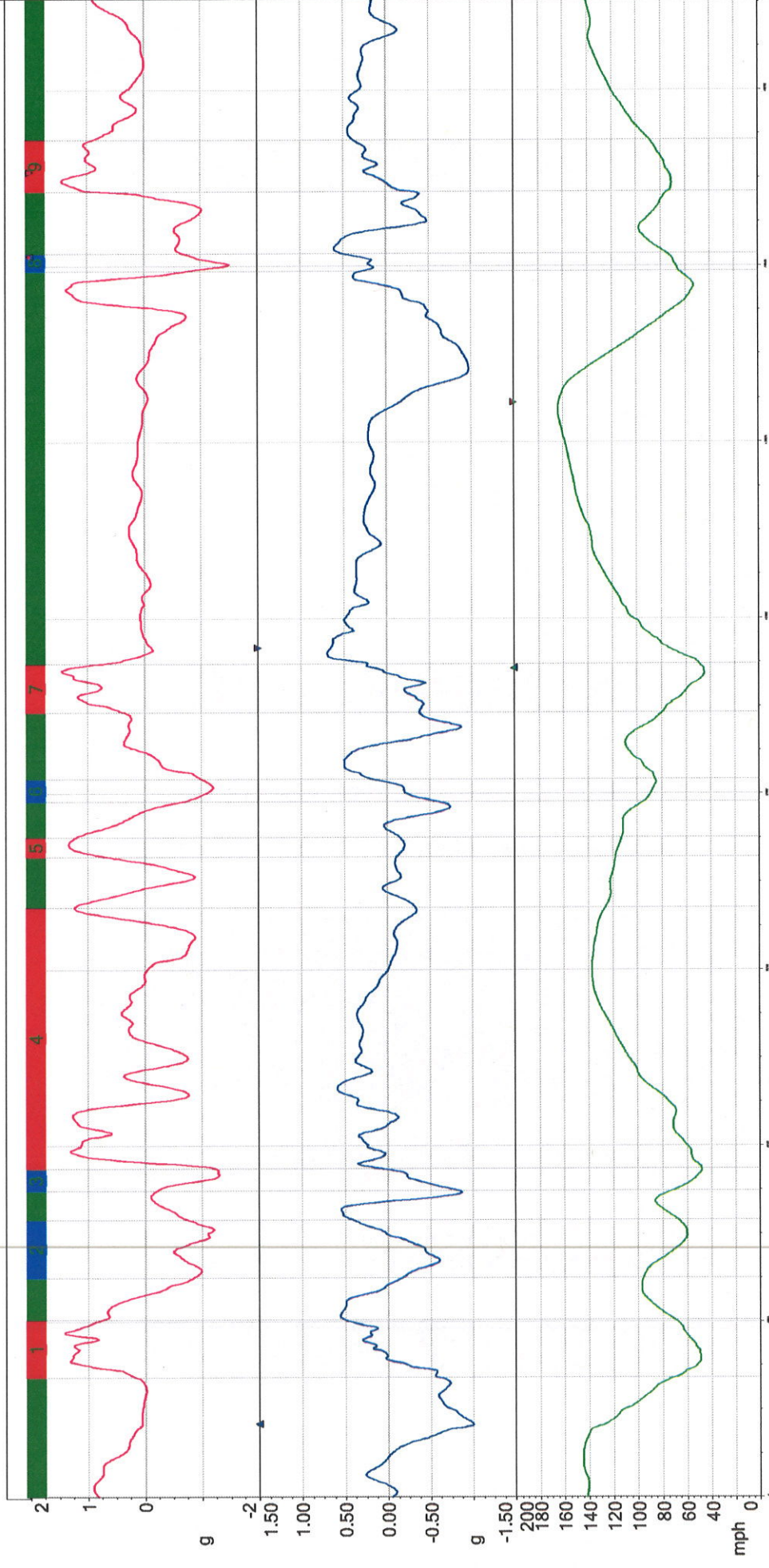
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Race Studio Analysis - Racing Data Acquisition System



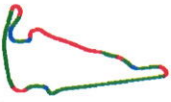
Name: JAO-VIRGoldCup-MonteCarlo-28092014
 Date: 28-09-14 16:09:27
 Track: VIR
 Vehicle: MonteCarlo
 Driver: JAO
 Note: Race #2 - Gold Cup Race

Data: JAO-VIRGoldCup-MonteCarlo-28092014 - 11 02.04.179 - GPS_LatAcc [g]
 JAO-VIRGoldCup-MonteCarlo-28092014 - 11 02.04.179 - GPS_LonAcc [g]
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John Orzechowski Racing

Historic Stock Car Racing



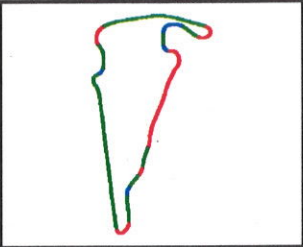
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 Date: 28-08-14 16:09:27
 Track: VIR
 Vehicle: MonteCarlo
 Driver: JAO
 Note: Race #2 - Gold Cup Race

Data:
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 JAO-VIRGoldCup-MonteCarlo-28092014 - 11 02.04.179 - GPS_LonAcc [g]
 JAO-VIRGoldCup-MonteCarlo-28092014 - 11 02.04.179 - GPS_Speed [mph]

7	8	9
histo	histo	histo
5.407	7.029	28.232
5.539	6.851	28.380
5.419	6.540	28.255
5.410	6.965	28.250
5.458	6.846	28.531
5.294	6.908	27.931
5.496	6.830	27.611
5.438	6.739	27.822
5.361	6.647	28.100
5.294	6.540	27.611
5.539	7.029	28.531
5.425	6.817	28.124
0.072	0.154	0.289
Theoretical best lap		
5.294	6.540	27.611
Best rolling lap		
5.361	6.647	27.822
Split time differences from best lap within test		
0.046	0.382	0.132
0.178	0.204	0.280
0.058	-0.107	0.155
0.049	0.317	0.150
0.097	0.199	0.431
-0.067	0.261	-0.169
0.135	0.183	-0.488
0.077	0.092	-0.278
0.000	0.000	0.000
Absolute split times		
2.106	5.468	5.580
2.147	5.750	5.476
2.157	5.788	5.629
2.129	5.801	5.365
2.168	5.679	5.328
2.174	5.584	5.208
2.181	5.750	5.403
2.148	5.551	5.292
2.094	5.533	5.331
2.094	5.468	5.208
2.181	5.801	5.629
2.145	5.656	5.401
0.030	0.124	0.137
Theoretical best lap		
2.094	5.468	5.208
Best rolling lap		
2.148	5.551	5.292
Split time differences from best lap within test		
0.012	-0.065	0.249
0.053	0.216	0.144
0.064	0.255	0.297
0.317	0.268	0.033
0.074	0.146	-0.003
0.080	0.051	-0.123
0.087	0.216	0.072
0.054	0.018	-0.039
0.000	0.000	0.000
Absolute split times		
2.106	5.468	5.580
2.147	5.750	5.476
2.157	5.788	5.629
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0.087	0.216	0.072
0.054	0.018	-0.039
0.000	0.000	0.000

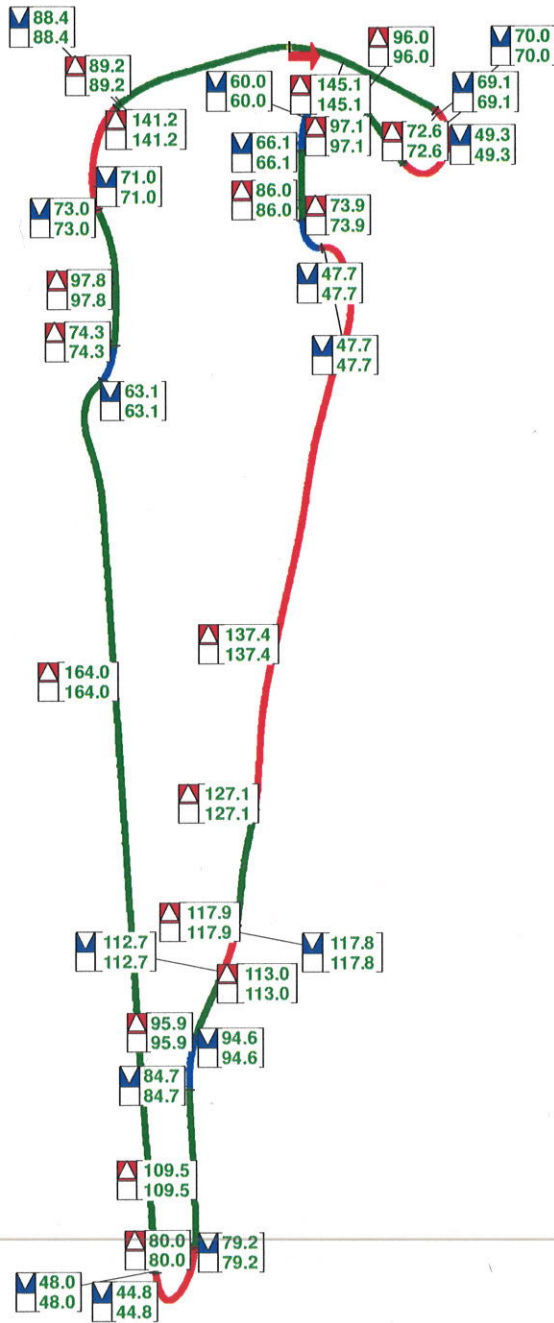


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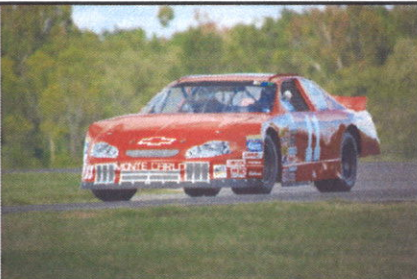


Name: JAO-VIRGoldCup-MonteCarlo-28092014
 Date: 28-09-14 16:09:27
 Track: VIR
 Vehicle: MonteCarlo
 Driver: JAO
 Note: Race #2 - Gold Cup Race

Data: JAO-VIRGoldCup-MonteCarlo-28092014 - 11 02.04.179 - GPS_LatAcc [g]
 JAO-VIRGoldCup-MonteCarlo-28092014 - 11 02.04.179 - GPS_LonAcc [g]
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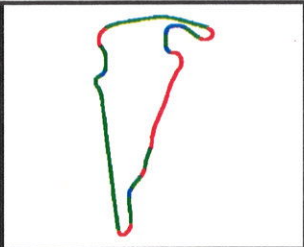


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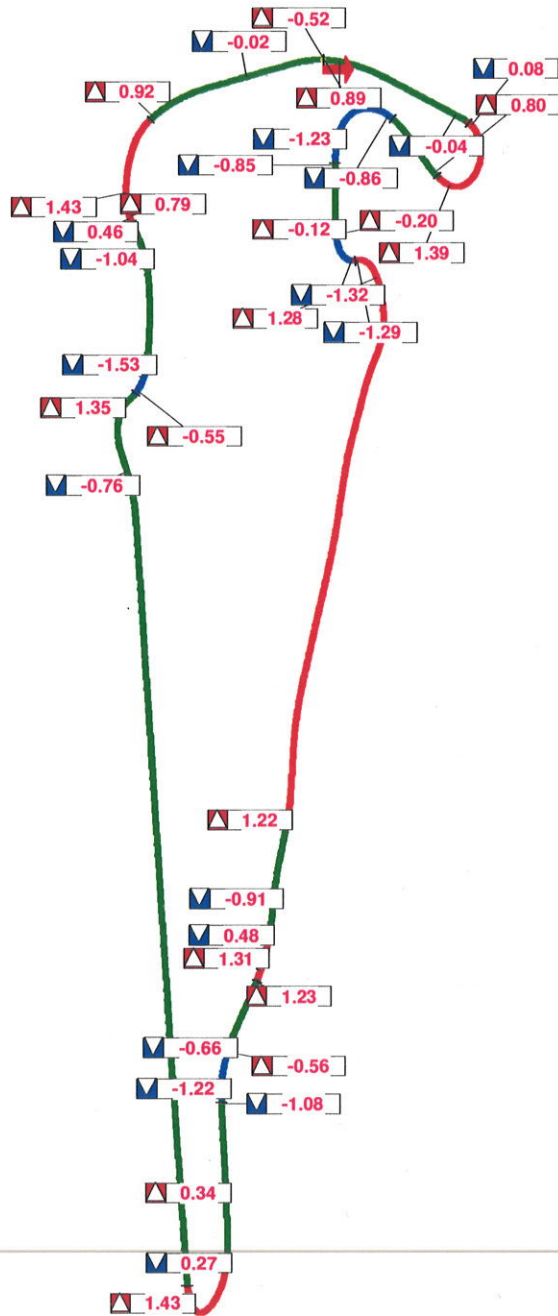
Historic Stock Car Racing

Race Studio Analysis - Racing Data Acquisition System



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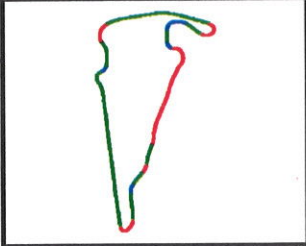
● GPS_LatAcc
● REF GPS_Speed



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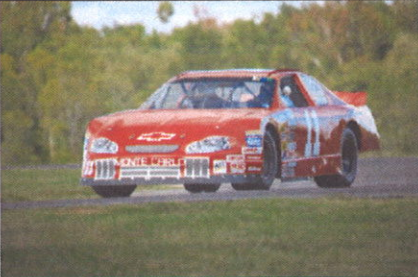
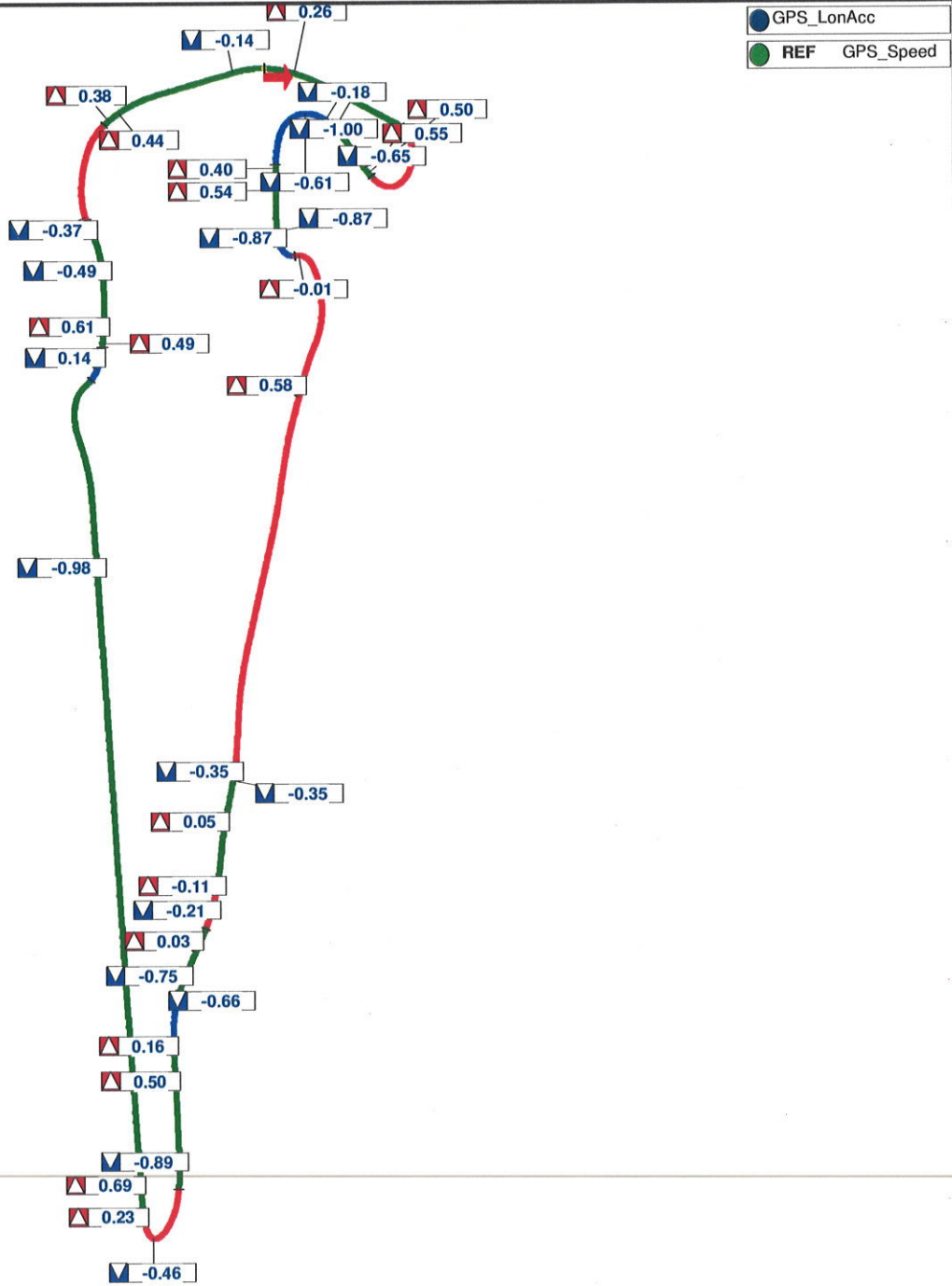
Historic Stock Car Racing

Race Studio Analysis - Racing Data Acquisition System



Name: JAO-VIRGoldCup-MonteCarlo-28092014
Date: 28-09-14 16:09:27
Track: VIR
Vehicle: MonteCarlo
Driver: JAO
Note: Race #2 - Gold Cup Race

Data: JAO-VIRGoldCup-MonteCarlo-28092014 - 11 02.04.179 - GPS_LatAcc [g]
JAO-VIRGoldCup-MonteCarlo-28092014 - 11 02.04.179 - GPS_LonAcc [g]
JAO-VIRGoldCup-MonteCarlo-28092014 - 11 02.04.179 - GPS_Speed [mph]



John Orzechowski Racing

Historic Stock Car Racing



MOBILE OIL ANALYSIS REPORT

CONTAMINATION	NORMAL
WEAR	NORMAL
OIL CONDITION	NORMAL

1 - Front Gasoline Engine

Unit Make : CHEVY
 Unit Model : MONTE CARLO
 Comp Make : CHEVY
 Comp Model : 350

Serial No : BTK-350
 Cust. Ref No. : {n/a}
 Stub No. : WC-M1165535

Date Rec'd : Oct 24, 2014
 Sample Date : Sep 28, 2014
 Diagnostician : Doug Bogart

RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date	11/25/12	07/21/13	04/27/14	Current	UOM
Time on Unit	33.5	37	40	43.3	hrs
Time on Oil	2.5	3.5	3	3.3	hrs
Time on Fltr	2.5	3.5	3	3.3	hrs
Oil Maint.	changed	changed	changed	changed	---
Filter Maint.	changed	changed	changed	changed	---

CONTAMINATION

There is no indication of any contamination in the component.

Sample Date	11/25/12	07/21/13	04/27/14	Current	Abn
Silicon	8.1	8.1	5.3	4.4	30
Potassium	0.0	2.0	1.6	1.6	20
Sodium	351	412	389	324	80
Fuel (%)	<2.0	<2.0	<2.0	<2.0	4.0
Glycol	---	---	---	---	0.06
Water (%)	<0.1	<0.1	<0.1	<0.1	0.2
Soot (%)	0	0	0	0	---
Sulfation (%)	9	7	8	9	100
Nitration (%)	5	3	3	3	100

OIL CONDITION

Oil Type: 14 QTS of VALVOLINE ALLCLIMT 20W50

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

Sample Date	11/25/12	07/21/13	04/27/14	Current	Base
Boron	0.6	0.8	0.9	0.9	
Barium	0.0	0.0	0.0	0.0	
Calcium	1365	1646	1584	1628	
Magnesium	9.5	3.6	6.5	9.8	
Molybdenum	4.5	3.1	3.4	1.6	
Sodium	351	412	389	324	
Phosphorus	640	770	722	785	
Sulfur	1951	1710	779	3077	
Zinc	645	764	780	721	
Visc 40°C (cSt)	---	---	---	---	165.9
Visc 100°C (cSt)	16.04	17.5	17.62	17.09	18.5
VI	---	---	---	---	125
Oxidation (%)	9	6	6	7	
AN (mg/KOH/g)	---	---	---	---	
BN (mg/KOH/g)	---	---	---	---	

WEAR

All component wear rates are normal.

Sample Date	11/25/12	07/21/13	04/27/14	Current	Abn
*White Metal	NONE	NONE	NONE	NONE	---
*Babbitt	NONE	NONE	NONE	NONE	---
PQ	---	---	---	---	---
Iron	21	22	17	23	150
Nickel	0.8	0.5	0.6	0.5	5
Chromium	1.0	1.1	1.0	0.8	20
Titanium	17	21	22	25	---
Copper	5.7	7.1	7.8	6.1	155
Aluminum	14	13	10	8.6	40
Tin	0.0	0.0	0.0	0.0	10
Lead	903	995	1190	1346	50

CHASSIS SETUP SHEET

DATE: 11-22-14
 CAR: BATS MONTE CARLO #11
 TRACK: SUMMIT POINT

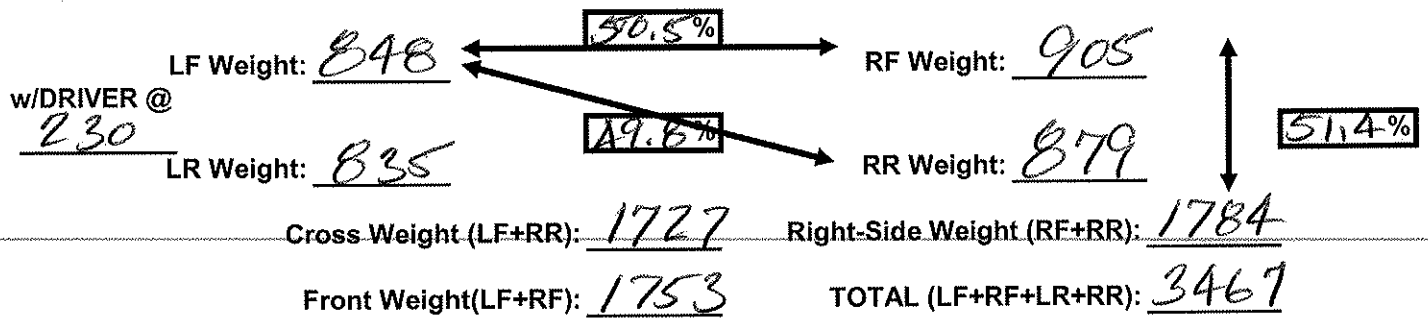
LF	
Tire Pressure:	<u>30 PSI</u>
Tire Size:	<u>HOOSIER HSC</u>
Shock Compression:	
Shock Rebound:	
Spring Rate:	<u>650</u>
Anti-Dive & Slugs:	<u>0.5" (0-0)</u>
Camber & Shims:	<u>-2 3/4° (VA+VB)</u>
Caster & Slugs:	<u>15 1/4° (0-0)</u>
Ride Height:	<u>5 3/8"</u>
Upper A-Arm Angle:	<u>20.2°</u>
Wheel Spacers:	<u>1/8"</u>

RF	
Tire Pressure:	<u>30 PSI</u>
Tire Size:	<u>HOOSIER HSC</u>
Shock Compression:	
Shock Rebound:	
Spring Rate:	<u>650</u>
Anti-Dive & Slugs:	<u>0.5" (0-0)</u>
Camber & Shims:	<u>-2 3/8° (VA)</u>
Caster & Slugs:	<u>15 1/4° (3/8-3/8)</u>
Ride Height:	<u>5 3/8"</u>
Upper A-Arm Angle:	<u>19.9°</u>
Wheel Spacers:	<u>1/4" + 1/8"</u>

Front Valence Height:	LF= <u>4"</u>	RF= <u>4 1/8"</u>
Front / Rear Brake Bias:	FRONT: _____	REAR: _____
Front Toe-Out:	<u>3/16"</u>	
Front Sway Bar:	<u>1 3/16"</u>	HOLLOW / NEUTRAL
Rear Sway Bar:	<u>0.900"</u>	SOLID / NEUTRAL
Rear End Ratio:	<u>3.70:1</u>	
Rear Pinion Angle:	<u>3.5° DOWN</u>	SHIM: <u>~2.0°</u>
Track Bar Height:	LR= <u>10 3/4"</u>	RR= <u>10 3/4"</u>
Fuel Level:	<u>FULL</u>	

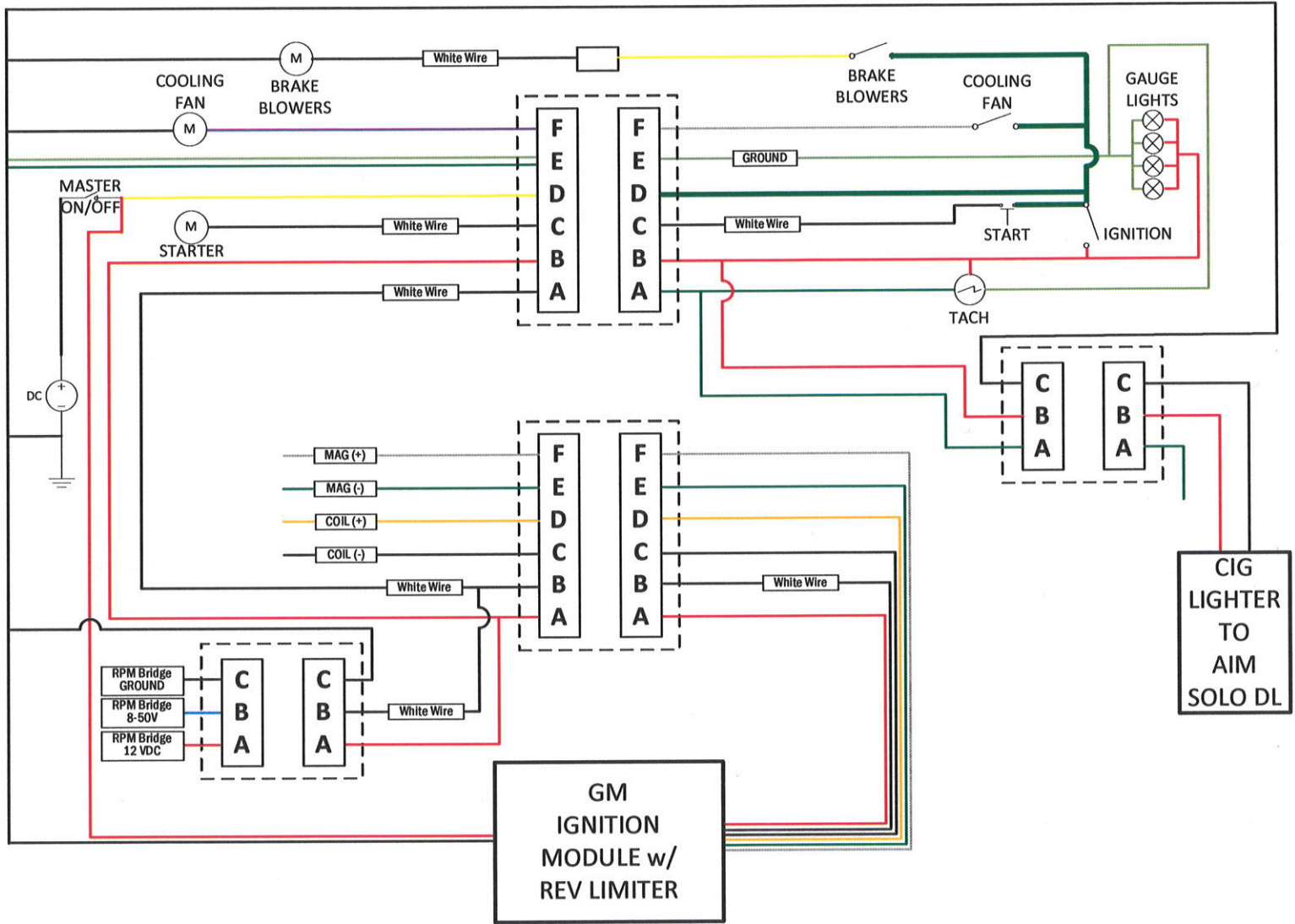
LR	
Tire Pressure:	<u>30 PSI</u>
Tire Size:	<u>HOOSIER HSC</u>
Shock Compression:	
Shock Rebound:	
Spring Rate:	<u>375</u>
Camber:	<u>-0.5°</u>
Ride Height:	<u>6 1/4"</u>
Trailing Arm Angle:	<u>0.80° ↑ REAR</u>
Wheel Spacers:	<u>1/4" + 1/8"</u>

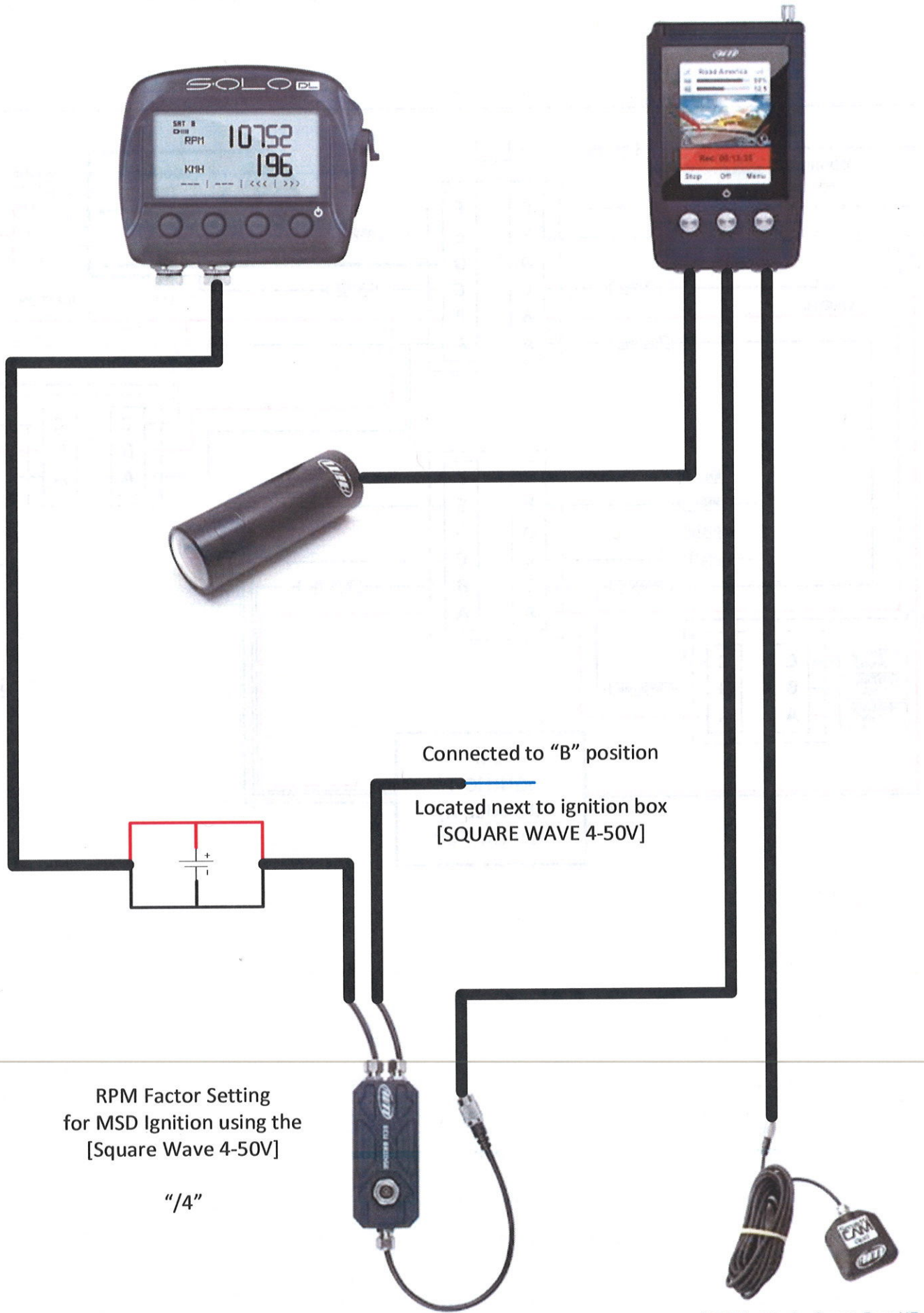
RR	
Tire Pressure:	<u>30 PSI</u>
Tire Size:	<u>HOOSIER HSC</u>
Shock Compression:	
Shock Rebound:	
Spring Rate:	<u>375</u>
Camber:	<u>-0.5°</u>
Ride Height:	<u>6 3/8"</u>
Trailing Arm Angle:	<u>0.60° ↑ REAR</u>
Wheel Spacers:	<u>1/4" + 1/8"</u>



NOTES: * TOTAL TIME ON PANKAGE = 43.75 HOURS
 * CHANGED OIL & FILTER
 * TOPOPED UP FRONT BRAKE FLUID
 * TAPPED NOSE FOR COLD WEATHER
 * INSTALLED ARM SMARTY QJM & RPM BLENDER

2000 Monte Carlo Wiring Diagram





RPM Factor Setting
for MSD Ignition using the
[Square Wave 4-50V]

"/4"

GPS Module for SmartyCam HD

MSD SUPPLEMENT

MSD 6ALN, PN 6430 and 6TN, PN 6401 Ignition Controls

ONLINE PRODUCT REGISTRATION: Register your MSD product online. Registering your product will help if there is ever a warranty issue with your product and helps the MSD R&D team create new products that you ask for! Go to www.msperformance.com/registration.

IMPORTANT: Read instructions thoroughly before attempting installation.

The 6ALN and 6TN are Ignition Controls designed for NASCAR use. The 6-Pin Weathertight connectors supplied with the ignitions are NASCAR approved connectors and will directly connect to many common wiring harnesses.

The circuit boards of both ignitions are encased in a clear compound for extra resistance to vibration.

Parts Included

- 1 - Ignition Control
- 1 - 6-Pin Weathertight Wiring Harness
- 1 - 1-Pin Weathertight Wiring Harness
- 4 - Vibration Mounts
- 4 - RPM Modules (6ALN only): 3,000, 6,000, 7,000, 8,000

MOUNTING

The Ignitions can be mounted in any position. They may be mounted in the engine compartment however they should be kept clear of direct engine heat sources. Use the Ignition as a template to mark the location of the mounting holes. Using an 1/8" drill bit, remove the ignition and drill the holes. Install the vibration mounts and the ignition.

WIRING

Figure 1 shows the position, color and function of each wire. Figure 2 shows a general installation.

Triggering

The MSD can be triggered by points or with a magnetic pickup.

Points: The single White wire of the MSD is for points triggering. It connects to the points output wire of the distributor.

Magnetic Pickup: The Magnetic Pickup Wires are in the 6-Pin connector. The Mag positive (+) wire is Violet, the Mag negative (-) is Green. They are in the terminals marked "F" and "E".

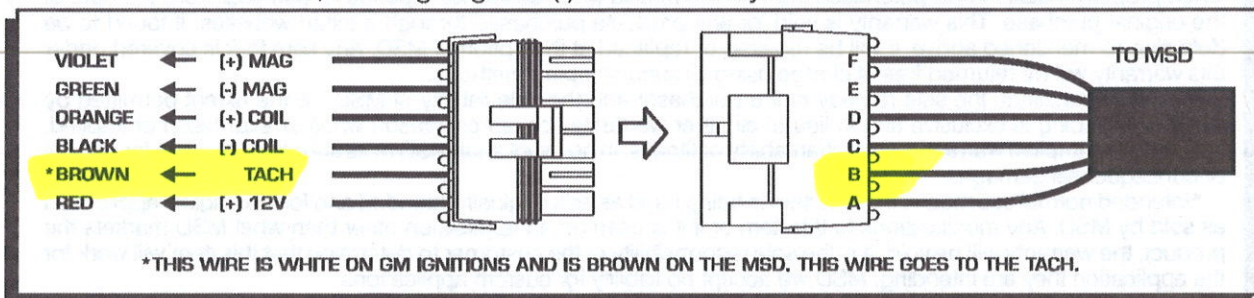


Figure 1 The Color, Function and Position of Each Wire.

Track/Event: SUMMIT POINT / TURKEY BOWL

Date: 11-28-14 Time: 11:30 AM

Weather & Conditions: CLEAR & COLD 36°F 47%RH

Lap Times:

- 1) 1 (m) 53.03 (s)
- 2) 1 (m) 36.58 (s)
- 3) 1 (m) 30.78 (s)
- 4) 1 (m) 34.26 (s)
- 5) 1 (m) 32.81 (s)
- 6) 1 (m) 28.14 (s)
- 7) 1 (m) 30.01 (s)
- 8) 1 (m) 28.60 (s)
- 9) 1 (m) 28.68 (s)
- 10) 1 (m) 27.74 (s)

- 11) 1 (m) 27.21 (s)
- 12) 1 (m) 25.97 (s)
- 13) 1 (m) 25.17 (s)
- 14) 1 (m) 24.50 (s)
- 15) 1 (m) 28.33 (s)
- 16) 1 (m) 28.12 (s)
- 17) 1 (m) 25.60 (s)
- 18) 2 (m) 15.33 (s)
- 19) _____ (m) _____ (s)
- 20) _____ (m) _____ (s)

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 20 (psi) Hot: _____ (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 20 (psi) Hot: _____ (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 19 (psi) Hot: _____ (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 19 (psi) Hot: _____ (psi)

Notes: _____

HOBBS START: _____ 28 min
HOBBS STOP: _____

MILES: 35.9

ENGINE OIL TEMP: 220
ENGINE WATER TEMP: 210

BRAKE ROTOR TEMP (LF/RF): 1
BRAKE ROTOR TEMP (LR/RR): 1

Track/Event: _____

Date: 11-28-14 Time: 3:00 PM

Weather & Conditions: CLEAR & COLD 37°F 45% RH

Lap Times:

- | | |
|-----------------------------------|-----------------------------------|
| 1) <u>2</u> (m) <u>00.41</u> (s) | 11) <u>1</u> (m) <u>25.98</u> (s) |
| 2) <u>1</u> (m) <u>38.52</u> (s) | 12) <u>1</u> (m) <u>26.58</u> (s) |
| 3) <u>1</u> (m) <u>32.93</u> (s) | 13) <u>1</u> (m) <u>27.16</u> (s) |
| 4) <u>1</u> (m) <u>30.18</u> (s) | 14) <u>1</u> (m) <u>25.29</u> (s) |
| 5) <u>1</u> (m) <u>26.87</u> (s) | 15) <u>1</u> (m) <u>25.65</u> (s) |
| 6) <u>1</u> (m) <u>27.90</u> (s) | 16) <u>1</u> (m) <u>27.22</u> (s) |
| 7) <u>1</u> (m) <u>28.77</u> (s) | 17) <u>2</u> (m) <u>13.85</u> (s) |
| 8) <u>1</u> (m) <u>26.19</u> (s) | 18) _____ (m) _____ (s) |
| 9) <u>1</u> (m) <u>26.49</u> (s) | 19) _____ (m) _____ (s) |
| 10) <u>1</u> (m) <u>25.72</u> (s) | 20) _____ (m) _____ (s) |

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 20 (psi) Hot: _____ (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 20 (psi) Hot: _____ (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 19 (psi) Hot: _____ (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 19 (psi) Hot: _____ (psi)

Notes:

REMOVED (2) STRAPS TAPE
REAR SEAT

HOBBS START: _____
HOBBS STOP: _____ 27 min

MILES: 33.9

ENGINE OIL TEMP: 190
ENGINE WATER TEMP: 180

BRAKE ROTOR TEMP (LF/RF): /
BRAKE ROTOR TEMP (LR/RR): /

Track/Event: SUMMIT POINT / TURKEY BOWL

Date: 11-29-14 Time: 11:00AM

Weather & Conditions: (CLEAR & COLD) 41°F 43%RH

Lap Times:

- 1) 1 (m) 13.11 (s)
- 2) 1 (m) 47.70 (s)
- 3) 1 (m) 33.32 (s)
- 4) 1 (m) 24.17 (s)
- 5) 1 (m) 24.65 (s)
- 6) 1 (m) 24.95 (s)
- 7) 1 (m) 24.44 (s)
- 8) 1 (m) 23.89 (s)
- 9) 1 (m) 22.55 (s)
- 10) 1 (m) 23.27 (s)
- 11) 1 (m) 23.36 (s)
- 12) 1 (m) 24.35 (s)
- 13) 1 (m) 22.57 (s)
- 14) 1 (m) 23.39 (s)
- 15) 1 (m) 21.39 (s)
- 16) 1 (m) 21.66 (s)
- 17) 1 (m) 20.82 (s)
- 18) 2 (m) 26.72 (s)
- 19) (m) (s)
- 20) (m) (s)

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 20 (psi) Hot: (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 20 (psi) Hot: (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 19 (psi) Hot: (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 19 (psi) Hot: (psi)

Notes:

ADDED 14 GALLONS → FULL

~ 2.5 LAPS/GALLON

~ 3.0 MILES/GALLON

HOBBS START: 26 MIN
HOBBS STOP:

MILES: 33.9

ENGINE OIL TEMP: 210
ENGINE WATER TEMP: 190

BRAKE ROTOR TEMP (LF/RF):
BRAKE ROTOR TEMP (LR/RR):

Track/Event: SUMMIT POINT / TURKEY BOWL
 Date: 11-29-14 Time: 12:30 PM
 Weather & Conditions: CLEAR & COLD 39°F 47%R

Lap Times:

- | | | | | | | | | | | | | | | |
|----|-----|---|-----|----|---|----|-----|-----|-----|-----|-----|---|-----|-----|
| #1 | 1) | 1 | (m) | 54 | . | 76 | (s) | 11) | ___ | (m) | ___ | . | ___ | (s) |
| | 2) | 2 | (m) | 08 | . | 07 | (s) | 12) | ___ | (m) | ___ | . | ___ | (s) |
| #2 | 3) | 1 | (m) | 56 | . | 29 | (s) | 13) | ___ | (m) | ___ | . | ___ | (s) |
| #3 | 4) | 1 | (m) | 52 | . | 13 | (s) | 14) | ___ | (m) | ___ | . | ___ | (s) |
| #4 | 5) | 1 | (m) | 59 | . | 24 | (s) | 15) | ___ | (m) | ___ | . | ___ | (s) |
| #5 | 6) | 1 | (m) | 50 | . | 40 | (s) | 16) | ___ | (m) | ___ | . | ___ | (s) |
| #6 | 7) | 1 | (m) | 34 | . | 74 | (s) | 17) | ___ | (m) | ___ | . | ___ | (s) |
| | 8) | 1 | (m) | 46 | . | 03 | (s) | 18) | ___ | (m) | ___ | . | ___ | (s) |
| | 9) | 1 | (m) | 33 | . | 30 | (s) | 19) | ___ | (m) | ___ | . | ___ | (s) |
| #7 | 10) | 2 | (m) | 10 | . | 83 | (s) | 20) | ___ | (m) | ___ | . | ___ | (s) |

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: _____ (psi) Hot: _____ (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: _____ (psi) Hot: _____ (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: _____ (psi) Hot: _____ (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: _____ (psi) Hot: _____ (psi)

Notes: _____

~~WORKER RZORS~~

~~136 MPH TOP SPEED~~

HOBBS START: _____
 HOBBS STOP: _____ 25 min

MILES: 20

ENGINE OIL TEMP: 180
 ENGINE WATER TEMP: 180

BRAKE ROTOR TEMP (LF/RF): 1
 BRAKE ROTOR TEMP (LR/RR): 1

Track/Event: SUMMIT POINT / TURKEY BOWL

Date: 11-29-14 Time: 2:00 PM

Weather & Conditions: CLEAR & COLD 40°F 47%RH

Lap Times:

- 1) 2 (m) 26.35 (s)
- 2) 1 (m) 32.93 (s)
- 3) 1 (m) 25.17 (s)
- 4) 1 (m) 22.92 (s)
- 5) 1 (m) 24.67 (s)
- 6) 1 (m) 22.85 (s)
- 7) 1 (m) 29.75 (s)
- 8) 1 (m) 29.71 (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: 20 (psi) Hot: _____ (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 20 (psi) Hot: _____ (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 19 (psi) Hot: _____ (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 19 (psi) Hot: _____ (psi)

Notes: _____

HOBBS START: _____
HOBBS STOP: _____ 13 MIN

MILES: 16

ENGINE OIL TEMP: 205
ENGINE WATER TEMP: 205

BRAKE ROTOR TEMP (LF/RF): 1
BRAKE ROTOR TEMP (LR/RR): 1

Track/Event: Summit Post / Turkey Bowl

Date: 11-29-14 Time: 3:30 pm

Weather & Conditions: CLOUDY & COLD 40°F 49%RH

"RELAY RACE"

Lap Times:

- 1) 1 (m) 36.20 (s)
- 2) 1 (m) 26.21 (s)
- 3) 1 (m) 26.10 (s)
- 4) 1 (m) 24.78 (s)
- 5) 2 (m) 12.82 (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: 21 (psi) Hot: ____ (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 21 (psi) Hot: ____ (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 19 (psi) Hot: ____ (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 19 (psi) Hot: ____ (psi)

Notes: _____

HOBBS START: _____
HOBBS STOP: _____ 8:22

MILES: 10

ENGINE OIL TEMP: 180
ENGINE WATER TEMP: 180

BRAKE ROTOR TEMP (LF/RF): 1
BRAKE ROTOR TEMP (LR/RR): 1

Track/Event: SUMMIT POINT / TURKEY BOWL

Date: 11-30-14 Time: 11:15 AM

Weather & Conditions: PARTLY CLOUDY 52°F 52%RH

Lap Times:

- | | |
|---|---------------------------------|
| 1) <u>2</u> (m) <u>14</u> . <u>11</u> (s) | 11) _____ (m) _____ . _____ (s) |
| 2) <u>2</u> (m) <u>01</u> . <u>68</u> (s) | 12) _____ (m) _____ . _____ (s) |
| 3) _____ (m) _____ . _____ (s) | 13) _____ (m) _____ . _____ (s) |
| 4) _____ (m) _____ . _____ (s) | 14) _____ (m) _____ . _____ (s) |
| 5) _____ (m) _____ . _____ (s) | 15) _____ (m) _____ . _____ (s) |
| 6) _____ (m) _____ . _____ (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) |

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

Cold: 20 (psi) Hot: _____ (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 20 (psi) Hot: _____ (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

Cold: 19 (psi) Hot: _____ (psi)

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 19 (psi) Hot: _____ (psi)

Notes:

ADDED 15 GALLONS - FULL

MOVED AIM CAMERA TO FRONT
DOWN BAR & ACTIVATED

DRIVER TRANS 15TH LAP

TOTAL TIME ON OIL FEED = 2.75

TOTAL TIME = 2.25

TOTAL MILFEAR = 164

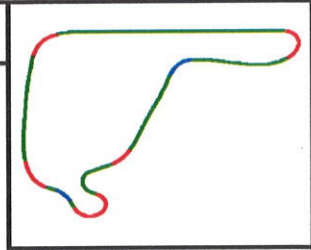
HOBBS START: _____
HOBBS STOP: _____ 5 min

MILES: 4.0

ENGINE OIL TEMP: 190
ENGINE WATER TEMP: 180

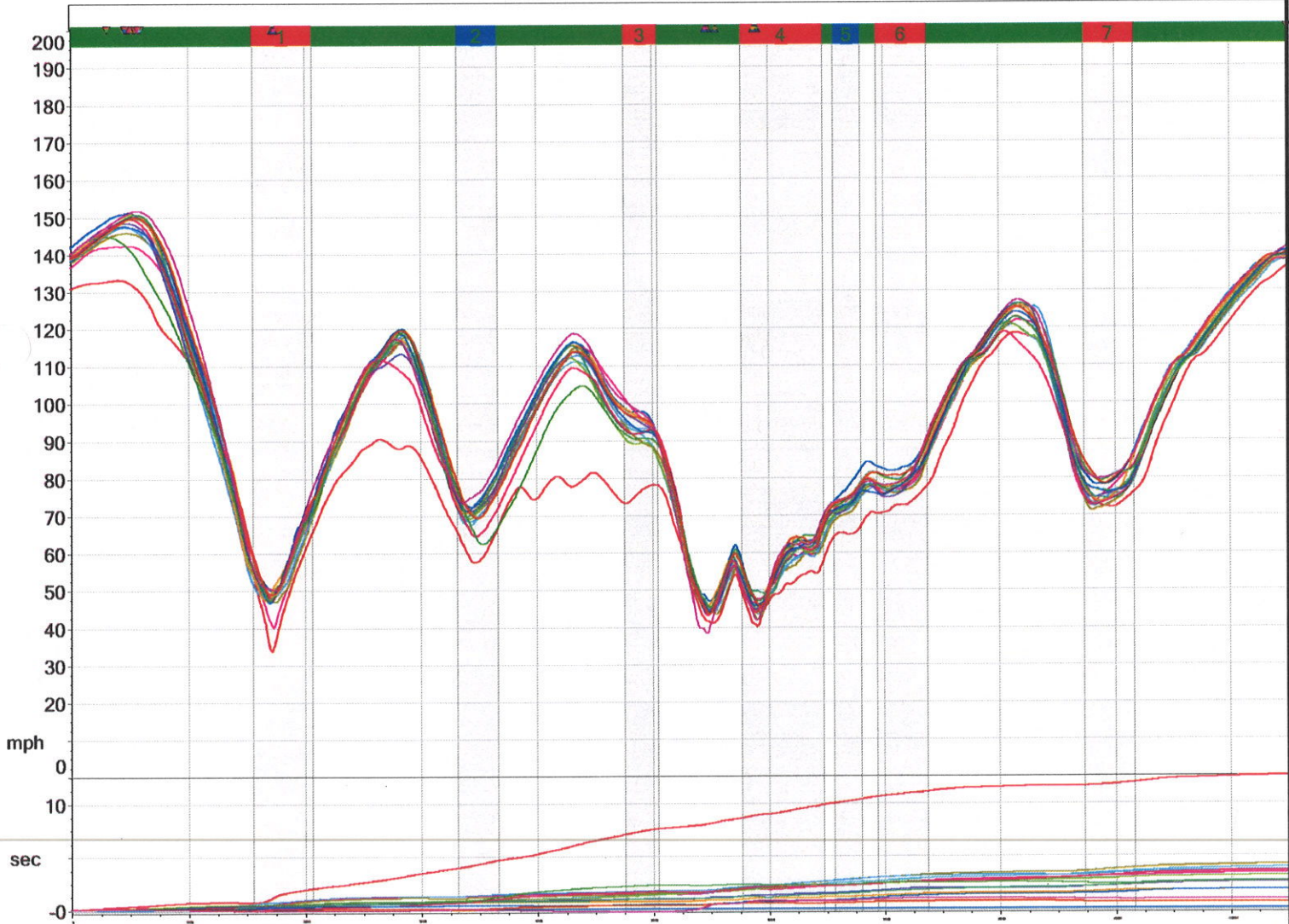
BRAKE ROTOR TEMP (LF/RF): 1
BRAKE ROTOR TEMP (LR/RR): 1

Race Studio Analysis - Racing Data Acquisition System



Name: JAO-SPTurkeyBowl-MonteCarlo-29112014
Date: 29-11-14 12:01:19
Track: SummitPoint
Vehicle: MonteCarlo
Driver: JAO
Note: Saturday Morning's Race

Data: JAO-SPTurkeyBowl-MonteCarlo-29112014 - 17 01.20.822 - GPS_Speed [mph]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 3 01.33.321 - GPS_Speed [mph]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 4 01.24.169 - GPS_Speed [mph]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 5 01.24.645 - GPS_Speed [mph]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 6 01.24.949 - GPS_Speed [mph]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 7 01.24.435 - GPS_Speed [mph]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 8 01.23.890 - GPS_Speed [mph]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 9 01.22.547 - GPS_Speed [mph]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 10 01.23.271 - GPS_Speed [mph]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 11 01.23.360 - GPS_Speed [mph]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 12 01.24.347 - GPS_Speed [mph]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 13 01.22.565 - GPS_Speed [mph]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 14 01.23.391 - GPS_Speed [mph]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 15 01.21.388 - GPS_Speed [mph]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 16 01.21.655 - GPS_Speed [mph]

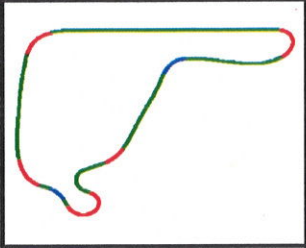


John Orzechowski Racing



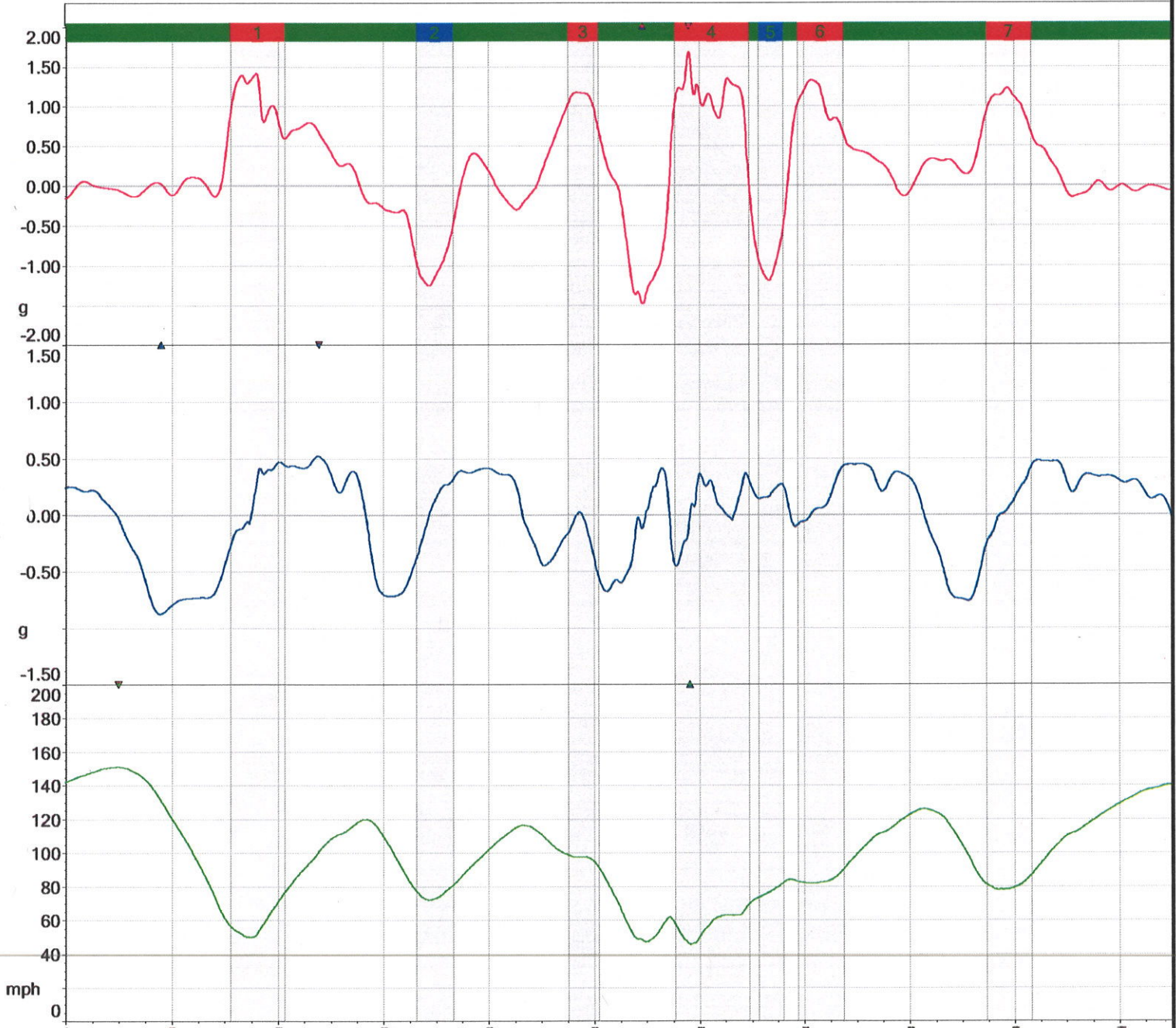
Historic Stock Car Racing

Race Studio Analysis - Racing Data Acquisition System



Name: JAO-SPTurkeyBowl-MonteCarlo-29112014
Date: 29-11-14 12:01:19
Track: SummitPoint
Vehicle: MonteCarlo
Driver: JAO
Note: Saturday Morning's Race

Data: JAO-SPTurkeyBowl-MonteCarlo-29112014 - 17 01.20.822 - GPS_LatAcc [g]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 17 01.20.822 - GPS_LonAcc [g]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 17 01.20.822 - GPS_Speed [mph]



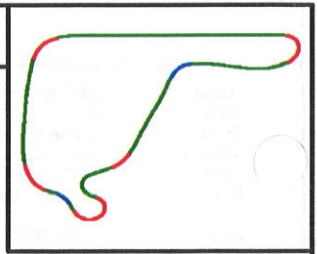
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Historic Stock Car Racing

Race Studio Analysis - Racing Data Acquisition System

Name: JAO-SPTurkeyBowl-MonteCarlo-29112014
 Date: 29-11-14 12:01:19
 Track: SummitPoint
 Vehicle: MonteCarlo
 Driver: JAO
 Note: Saturday Morning's Race



Data: JAO-SPTurkeyBowl-MonteCarlo-29112014 - 17 01.20.822 - GPS_LatAcc [g]
 JAO-SPTurkeyBowl-MonteCarlo-29112014 - 17 01.20.822 - GPS_LonAcc [g]
 JAO-SPTurkeyBowl-MonteCarlo-29112014 - 17 01.20.822 - GPS_Speed [mph]

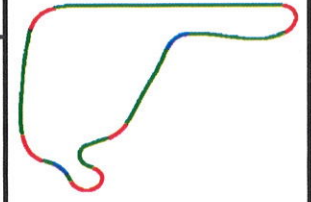
6	7			
histo	histo	histo	histo	
Absolute split times				
4.067	9.051	3.964	8.496	01.33.321
3.821	8.901	3.825	7.842	01.24.169
3.826	8.887	3.907	8.269	01.24.645
3.845	8.833	3.996	8.019	01.24.949
3.773	8.561	3.904	7.914	01.24.435
3.728	8.731	3.816	7.840	01.23.890
3.733	8.660	3.836	7.886	01.22.547
3.803	8.644	3.858	7.948	01.23.271
3.763	8.780	3.882	8.200	01.23.360
3.796	8.977	3.939	7.941	01.24.347
3.783	8.700	3.809	8.015	01.22.565
3.639	8.435	3.633	8.103	01.23.391
3.628	8.490	3.627	7.653	01.21.388
3.690	8.435	3.617	7.764	01.21.655
3.569	8.535	3.670	7.768	01.20.822
3.569	8.435	3.617	7.653	
4.067	9.051	3.996	8.496	
3.764	8.708	3.819	7.977	
0.116	0.195	0.126	0.219	
Theoretical best lap				
3.569	8.435	3.617	7.653	01.19.988
Best rolling lap				
	8.435	3.617	7.764	
3.569				01.20.665
Split time differences from best lap within test				
0.498	0.516	0.294	0.728	00.12.499
0.252	0.365	0.155	0.074	00.03.347
0.257	0.352	0.238	0.501	00.03.823
0.276	0.297	0.326	0.251	00.04.127
0.204	0.026	0.235	0.146	00.03.613
0.159	0.196	0.146	0.071	00.03.068
0.164	0.125	0.166	0.118	00.01.725
0.234	0.108	0.189	0.180	00.02.449
0.194	0.245	0.212	0.432	00.02.538
0.228	0.442	0.269	0.172	00.03.525
0.214	0.164	0.139	0.247	00.01.743
0.070	-0.100	-0.036	0.335	00.02.569
0.059	-0.045	-0.043	-0.115	00.00.566
0.121	-0.100	-0.053	-0.004	00.00.833
0.000	0.000	0.000	0.000	00.00.000

John Orzechowski Racing



Historic Stock Car Racing

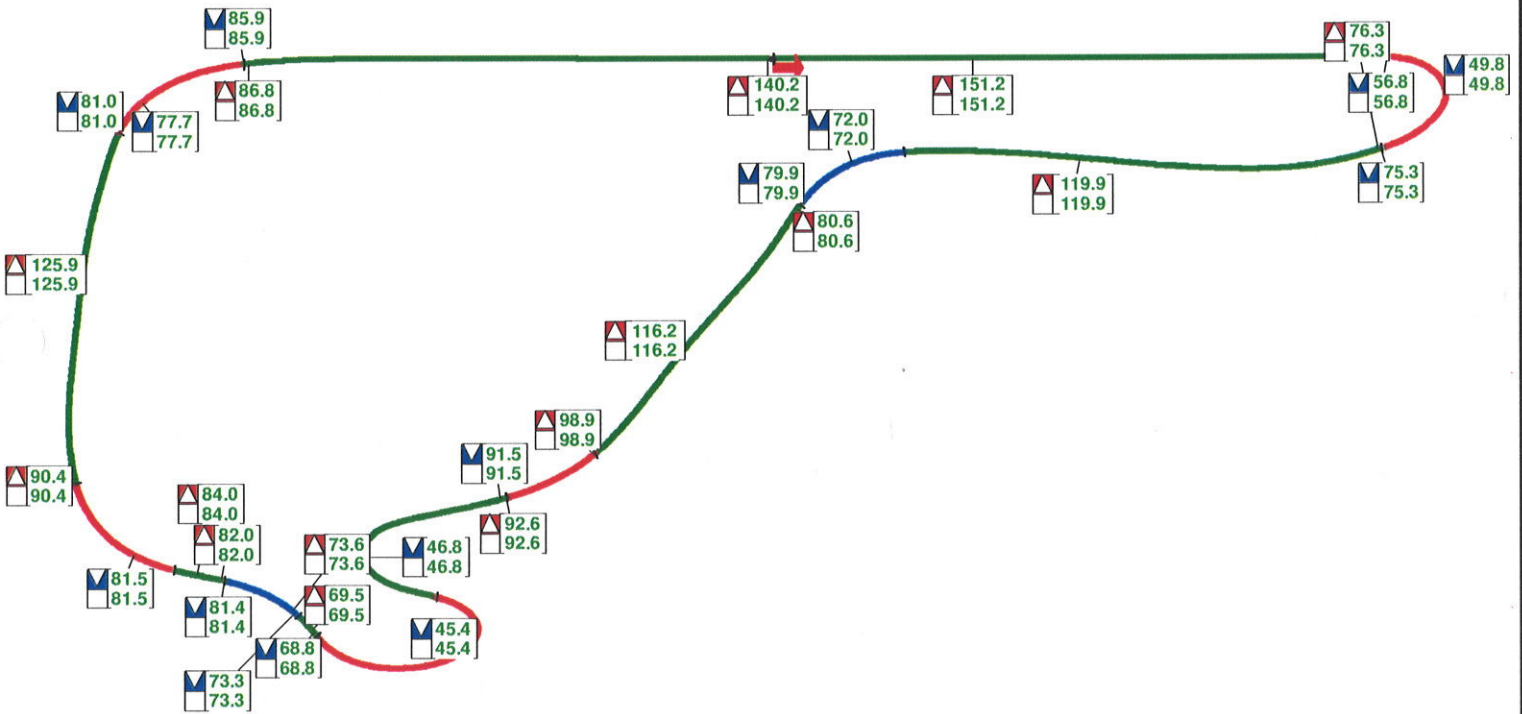
Race Studio Analysis - Racing Data Acquisition System



Name: JAO-SPTurkeyBowl-MonteCarlo-29112014
 Date: 29-11-14 12:01:19
 Track: SummitPoint
 Vehicle: MonteCarlo
 Driver: JAO
 Note: Saturday Morning's Race

Data: JAO-SPTurkeyBowl-MonteCarlo-29112014 - 17 01.20.822 - GPS_LatAcc [g]
 JAO-SPTurkeyBowl-MonteCarlo-29112014 - 17 01.20.822 - GPS_LonAcc [g]
 JAO-SPTurkeyBowl-MonteCarlo-29112014 - 17 01.20.822 - GPS_Speed [mph]

● GPS_Speed
● REF GPS_Speed

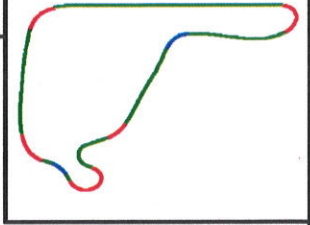


John Orzechowski Racing



Historic Stock Car Racing

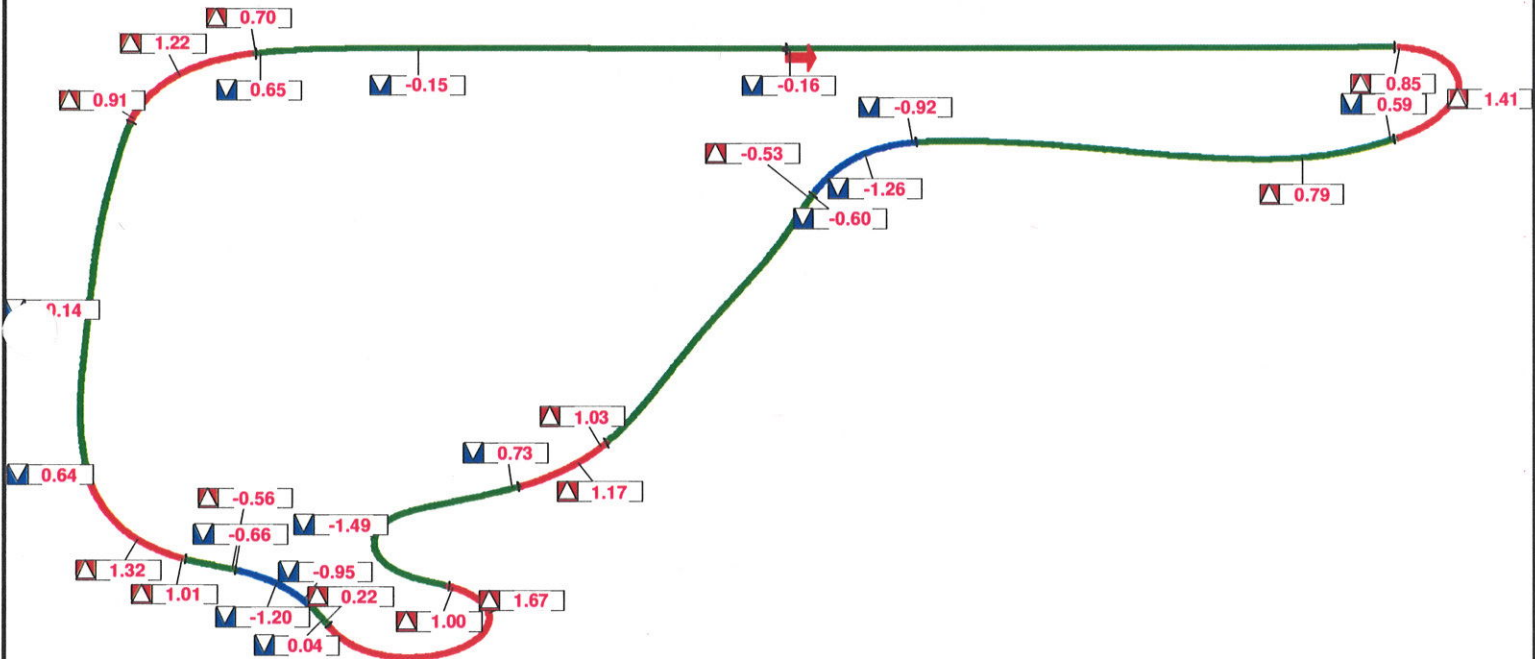
Race Studio Analysis - Racing Data Acquisition System



Name: JAO-SPTurkeyBowl-MonteCarlo-29112014
Date: 29-11-14 12:01:19
Track: SummitPoint
Vehicle: MonteCarlo
Driver: JAO
Note: Saturday Morning's Race

Data: JAO-SPTurkeyBowl-MonteCarlo-29112014 - 17 01.20.822 - GPS_LatAcc [g]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 17 01.20.822 - GPS_LonAcc [g]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 17 01.20.822 - GPS_Speed [mph]

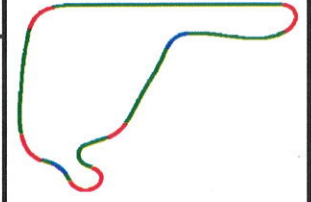
● GPS_LatAcc
● REF GPS_Speed



John Orzechowski Racing

Historic Stock Car Racing

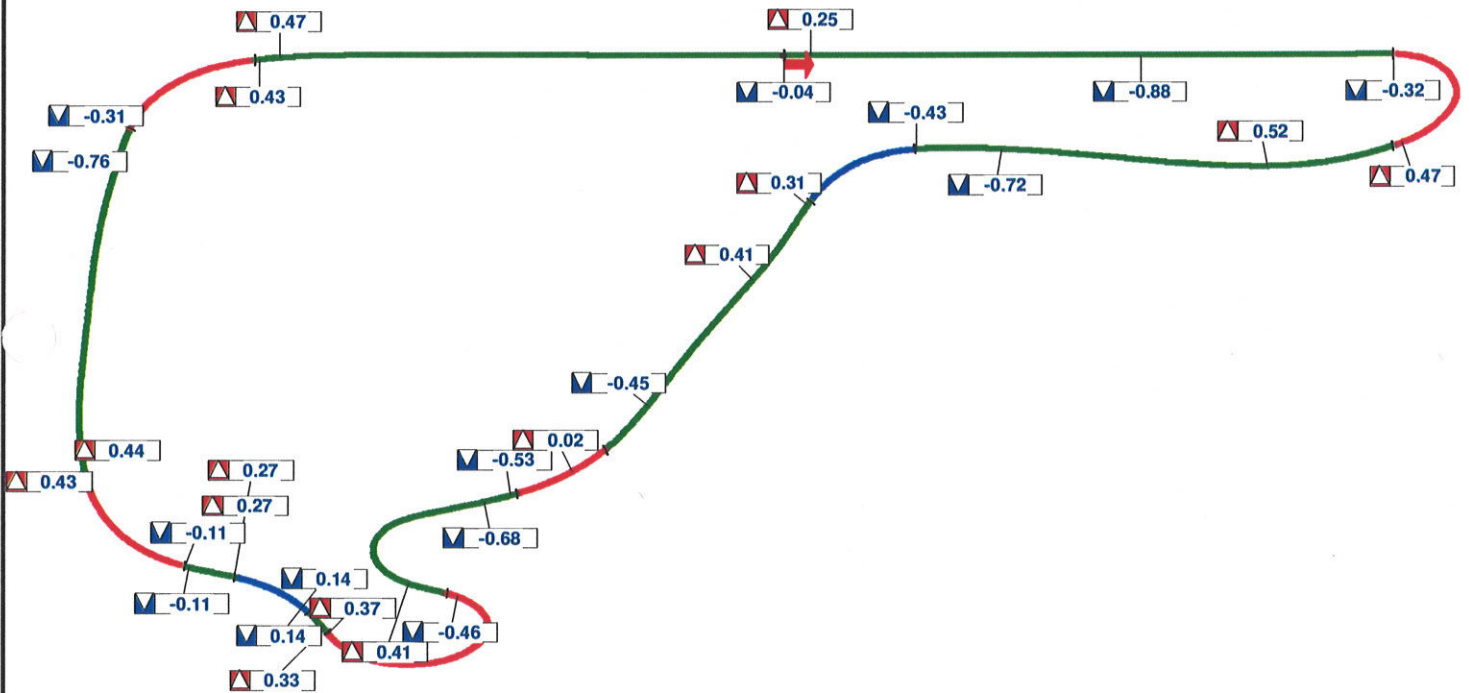
Race Studio Analysis - Racing Data Acquisition System



Name: JAO-SPTurkeyBowl-MonteCarlo-29112014
Date: 29-11-14 12:01:19
Track: SummitPoint
Vehicle: MonteCarlo
Driver: JAO
Note: Saturday Morning's Race

Data: JAO-SPTurkeyBowl-MonteCarlo-29112014 - 17 01.20.822 - GPS_LatAcc [g]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 17 01.20.822 - GPS_LonAcc [g]
JAO-SPTurkeyBowl-MonteCarlo-29112014 - 17 01.20.822 - GPS_Speed [mph]

GPS_LonAcc
REF GPS_Speed



John Orzechowski Racing

Historic Stock Car Racing



MOBILE OIL ANALYSIS REPORT

CONTAMINATION	NORMAL
WEAR	NORMAL
OIL CONDITION	NORMAL

1 - Front Gasoline Engine

Unit Make : CHEVY
 Unit Model : MONTE CARLO Serial No : BTK-350 Date Rec'd : Dec 15, 2014
 Comp Make : CHEVY Cust. Ref No. : {n/a} Sample Date : Nov 30, 2014
 Comp Model : 350 Stub No. : WC-M1165532 Diagnostician : Jonathan Hester

RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date	07/21/13	04/27/14	09/28/14	Current	UOM
Time on Unit	37	40	43.3	46	hrs
Time on Oil	3.5	3	3.3	2.8	hrs
Time on Fltr	3.5	3	3.3	2.8	hrs
Oil Maint.	changed	changed	changed	changed	---
Filter Maint.	changed	changed	changed	changed	---

CONTAMINATION

There is no indication of any contamination in the component.

Sample Date	07/21/13	04/27/14	09/28/14	Current	Abn
Silicon	8.1	5.3	4.4	4.1	30
Potassium	2.0	1.6	1.6	3.3	20
Sodium	412	389	324	353	80
Fuel (%)	<2.0	<2.0	<2.0	<2.0	4.0
Glycol	---	---	---	---	0.06
Water (%)	<0.1	<0.1	<0.1	<0.1	0.2
Soot (%)	0	0	0	0	---
Sulfation (%)	7	8	9	9	100
Nitration (%)	3	3	3	5	100

WEAR

All component wear rates are normal.

Sample Date	07/21/13	04/27/14	09/28/14	Current	Abn
Iron	22	17	23	14	150
Nickel	0.5	0.6	0.5	0.6	5
Chromium	1.1	1.0	0.8	0.7	20
Titanium	21	22	25	20	---
Copper	7.1	7.8	6.1	5.7	155
Aluminum	13	10	8.6	7.0	40
Tin	0.0	0.0	0.0	0.0	10
Lead	995	1190	1346	1013	50
Silver	0.0	0.0	0.0	0.0	2

OIL CONDITION

Oil Type: 14 QTS of VALVOLINE ALLCLIMT 20W50

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

Sample Date	07/21/13	04/27/14	09/28/14	Current	Base
Boron	0.8	0.9	0.9	0.4	
Barium	0.0	0.0	0.0	0.0	
Calcium	1646	1584	1628	1570	
Magnesium	3.6	6.5	9.8	6.6	
Molybdenum	3.1	3.4	1.6	2.2	
Sodium	412	389	324	353	
Phosphorus	770	722	785	695	
Sulfur	1710	779	3077	1949	
Zinc	764	780	721	741	
Visc 40°C (cSt)	---	---	---	---	165.9
Visc 100°C (cSt)	17.5	17.62	17.09	17.28	18.5
VI	---	---	---	---	125
Oxidation (%)	6	6	7	9	