

CHASSIS SETUP SHEET

DATE: 11-12-11
 CAR: BNS MONTE CARLO #69
 TRACK: SUMMIT POINT

<u>LF</u>	
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+1/2)</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 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° (3/8-7/8)</u>
Ride Height:	<u>5 5/8"</u>
Upper A-Arm Angle:	<u>19.9°</u>
Wheel Spacers:	<u>1/4" + 1/8"</u>

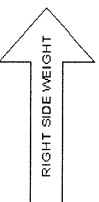
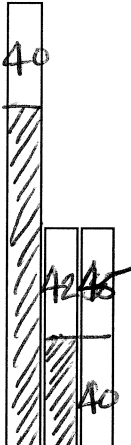
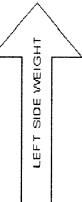
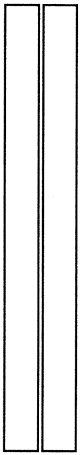
Front Valence Height:	LF= <u>4"</u>	RF= <u>4 1/8"</u>
Front / Rear Brake Bias:	FRONT: _____	REAR: _____
Front Toe-Out:	<u>3/16"</u>	
Front Sway Bar:	<u>1 3/16"</u>	HOLLOW / NEUTRAL
Rear Sway Bar:	<u>0.900</u>	SOLID / NEUTRAL
Rear End Ratio:	<u>3.75:1</u>	
Rear Pinion Angle:	<u>3.5° Down</u>	SHIM: <u>~2.0°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

<u>LR</u>	
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>

<u>RR</u>	
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 5/8"</u>
Trailing Arm Angle:	<u>0.6° ↑ REAR</u>
Wheel Spacers:	<u>1/4" + 1/8"</u>

	50.5%		
LF Weight: <u>848</u>	← →	RF Weight: <u>905</u>	
w/DRIVER @ <u>230</u>			
LR Weight: <u>835</u>	49.8%	RR Weight: <u>879</u>	51.4%
Cross Weight (LF+RR): <u>1727</u>		Right-Side Weight (RF+RR): <u>1784</u>	
Front Weight (LF+RF): <u>1753</u>		TOTAL (LF+RF+LR+RR): <u>3467</u>	

NOTES: * TOTAL TIME ON FUELING = 29.0 HOURS
 * CHANGED OIL & FILTER (HPLA) - 13 QUARTS + STP
 * REMOVED LOWER ARM, MACHINED, REPACKED
 BEARINGS AND INSTALLED



Turkey Bowl Schedule --- 2011

Grp 1: Vintage Small Bore (<2 liter)
Grp 3: Open Wheel & Sports-Racer

Grp 2: Vintage Big-Bore (>2 liter)

Grp 4: Modern Sports/GT

Grp 5: Legend & Baby Grand

Friday, Nov 25

9:00 Grp 5 Practice (*Legend*)
 9:15 Grp 4 Practice (*Modern GT*)
 9:30 Grps 1 and 3 Warm-up (*Vint Small & Open Wheel*)
 9:45 Grp 2 Warm-up (*Vintage Big Bore*)
 10:00 Grp 5 Qualifying (*Legend*)
 10:20 Grp 4 Qualifying (*Moderns*)
 10:40 *Worker Break – 20 min*
 11:00 Grp 1 Practice (*Vintage Small Bore*)
 11:30 Grp 2 Practice (*Vintage Big Bore*)
 12:00 *Lunch Break -- 1 hour*
 12:30 **Driver's Meeting** in Classroom (*all drivers, all Groups*)
 1:00 Grp 3 Practice (*Open Wheel & Sports Racers*)
 1:30 Grp 5 Race (*Legend*)
 2:00 Grp 4 Race (*Moderns*)
 2:30 Grp 3 Race (*Open Wheel & Sports Racers*)
 2:55 *Worker Break – 15 minutes*
 3:10 Grp 2 Race (*Vintage Big Bore*)
 3:35 Grp 1 Race (*Vintage Small Bore*)
 4:00 *Track Closes*

Saturday, Nov 26

8:00 **Mandatory Driver's Meeting** in Classroom (*all drivers, all Grps*)
 8:30 Grp 1, 2, & 3 Warm-up
 8:45 Grp 5 Practice (*Legend*)
 9:00 Grp 4 Practice (*Modern GT*)
 9:15 Grp 1 Practice
 9:45 *Worker Break – 15 min*
 10:00 Grp 2 Practice
 10:30 Grp 4 Race (45 mins, mandatory stop)
 11:15 Grp 5 Qualifying
 11:30 Grp 3 Practice
 12:00 *Lunch Break – 1 hour*

Saturday, Nov 26, (continued)

12:30 *Worker Rides -- competitors bring cars to false grid at 12:25*
 1:00 Grp 1 Race (~15 laps)
 1:30 Grp 2 Race (~15 laps)
 2:00 Grp 3 Race (~15 laps)
 2:30 Grp 5 Race (~15 laps)
 3:00 *Worker Break – 15 min*
 3:15 Small Bore **Leman Start**; (~45 minutes)
 4:00 *Track Closes*

Sunday, Nov 27

9:00 Grp 1, 2 & 3 Warm-up
 9:15 Grp 4 Practice
 9:30 Grp 5 Practice
 9:45 Grp 1 Race (~15 laps)
 10:15 *Worker Break – 15 min*
 10:45 Grp 3 Race (~15 laps)
 11:15 Grp 5 Qualifying
 11:30 **Special Event-MG Feature**
 12:00 *TB XV Catered Lunch – 1 hour*
 12:45 *Worker Rides -- competitors bring cars to false grid at 12:40*
 1:15 **Special Event TBD**
 1:45 Grp 2 Race (~15 laps)
 2:15 Grp 4 Race (45 mins, grid by random draw)
 3:00 *Worker Break – 15 min*
 3:15 Grp 5 Race (~15 laps)
 3:45 *Done – have a safe trip home!*

Track/Event: Turkey Bowl

Date: 11/26/11 Time: 10:30

Weather & Conditions: 49° 54%

Lap Times:

- 1) 2 (m) 22 . _____ (s) *last*
- 2) 1 (m) 38 . _____ (s)
- 3) 1 (m) 31 . 64 (s) *12th*
- 4) 1 (m) 25 . 50 (s) *9th*
- 5) 1 (m) 24 . 25 (s) *4th*
- 6) 1 (m) 21 . 67 (s) *3rd*
- 7) 1 (m) 21 . _____ (s) *3rd*
- 8) 1 (m) 29 . 2:40 (s) *1st*
- 9) 1 (m) 20 . 74 (s)
- 10) 1 (m) 19 . 93 (s)

- 11) 1 (m) 19 . 97 (s)
- 12) 1 (m) 48 . 36 (s) *Drive TRAY*
- 13) 1 (m) 28 . 61 (s) *Drive TRAY speed up*
- 14) 1 (m) 22 . 52 (s) *2nd*
- 15) 1 (m) 20 . 11 (s) *2nd*
- 16) 1 (m) 21 . 10 (s) *1st*
- 17) 1 (m) 20 . 89 (s)
- 18) 1 (m) 20 . 41 (s)
- 19) 1 (m) 20 . 36 (s)
- 20) 1 (m) 21 . 23 (s) *1st*

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

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

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

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

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

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

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

Cold: 19 (psi) Hot: 27 (psi)

Notes:

- 21 | 1 (m) 21 . 82
- 22 | 1 (m) 21 . 18
- 23 | 1 (m) 20 . 61
- 24 | 1 (m) 23 . 06
- 25 | 1 (m) 23 . 58
- 26 | 1 (m) 20 . 86
- 27 | 1 (m) 22 . 50
- 28 | 1 (m) 23 . 61
- 29 | 1 (m) 56 . 86 *Last slowdown*

HOBBS START: _____
HOBBS STOP: _____ *45 min*

MILES: 58

ENGINE OIL TEMP: 200
ENGINE WATER TEMP: 180

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

Track/Event: Turkey Bowl 2011

Date: 11/27/11 Time: 1415

Weather & Conditions: Sunny - Partial Cloudy

Lap Times:

- 1) 2 (m) 25 . 91 (s)
- 2) 1 (m) 41 . 48 (s) ~~104~~
- 3) 1 (m) 27 . 04 (s) ~~4~~
- 4) 1 (m) 22 . 48 (s) 4
- 5) 1 (m) 22 . 83 (s) 3
- 6) 1 (m) 23 . 55 (s) 3
- 7) 1 (m) 22 . 62 (s) 3
- 8) 1 (m) 22 . 52 (s) 3
- 9) 1 (m) 22 . 23 (s) 2
- 10) 1 (m) 23 . 77 (s) 1st

- 11) 1 (m) 40 . 65 (s) Drive thru
- 12) 1 (m) 20 . 25 (s)
- 13) 1 (m) 23 . 10 (s) 3rd
- 14) 1 (m) 21 . 61 (s)
- 15) 1 (m) 21 . 68 (s)
- 16) 1 (m) 21 . 32 (s) 2nd
- 17) 1 (m) 22 . 93 (s) 1st
- 18) 1 (m) 21 . 82 (s) 1st
- 19) 1 (m) 22 . 52 (s) 1st
- 20) 2 (m) 44 . 95 (s) 2nd

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

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

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

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

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

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

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

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

Notes:

- ~~21~~
- 22 1 (m) 22 . 87
- 23 1 (m) 22 . 87
- 24 1 (m) 21 . 40
- 25 1 (m) 22 . 84
- 26 1 (m) 22 . 89
- 27 1 (m) 21 . 58
- 28 1 (m) 46 . 32 Last
- 29 1

TOTAL MILEAGE = 114
TOTAL TIME ON OIL = 2.0

HOBBS START: _____
HOBBS STOP: _____ 45 min

MILES: 56

ENGINE OIL TEMP: 200
ENGINE WATER TEMP: 180

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

<u>Acquired From</u>	<u>Mounted</u>	<u># of Laps</u>	<u>Last Run</u>	<u>Description</u>	<u>MARKED</u>
Phelon Motorsports	12/6/2008	~20	Watkins Glen 6/08	Practice	SET 3 EL

		<u>Weight's Outside</u>	<u>Weight's Inside</u>
Hoosier HSC	FRONT	LF 1.0 + 1.0	1.25 + 1.50
Hoosier HSC	FRONT	RF 0.75	0.75
Hoosier HSC	REAR	LR 0.75	0.75
Hoosier HSC	REAR	RR 0.50	1.0 + 1.25

<u>Heat Cycles</u>	<u>DATE</u>	<u># of Laps</u>	<u>Last Run</u>	<u>Description</u>	<u>MARKED</u>
1	11/26/2011	29	SUMMIT POINT	Race #1	SET 6
2	11/27/2011	28	SUMMIT POINT	Race #2	SET 6
3					SET 6
4					SET 6
5					SET 6
6					SET 6
7					SET 6
8					SET 6
9					SET 6
10					SET 6
11					SET 6
12					SET 6
13					SET 6
14					SET 6
15					SET 6

NOTES: _____

Race #1: Best Lap = 1:19.97

Race #2: Best Lap = 1:20.25



MOBILE OIL ANALYSIS REPORT

CONTAMINATION
WEAR
OIL CONDITION

NORMAL
NORMAL
NORMAL

#69 - Front Gasoline Engine

Unit Make : CHEVY
 Unit Model : MONTE CARLO Serial No : BTK-350 Date Rec'd : Dec 30, 2011
 Comp Make : CHEVY Cust. Ref No. : {n/a} Sample Date : Nov 27, 2011
 Comp Model : 350 Stub No. : WC-M1165536 Diagnostician : Jonathan Hester

RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date	05/09/09	06/07/09	11/28/10	Current	UOM
Time on Unit	25	27	29	31	hrs
Time on Oil	1	2	2	2	hrs
Time on Fltr	1	2	2	2	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	05/09/09	06/07/09	11/28/10	Current	Abn
Silicon	7.3	11	8.2	8.4	15
Potassium	0.0	0.0	0.0	0.0	10
Sodium	146	365	384	342	50
Fuel (%)	<2.0	<2.0	<2.0	<2.0	---
Glycol	---	---	---	---	0.02
Water (%)	<0.1	<0.1	<0.1	<0.1	0.1
Soot (%)	0	0	0	0	---
Sulfation	6	5	10	9	100
Nitration	2	3	5	5	100

WEAR

All component wear rates are normal.

Sample Date	05/09/09	06/07/09	11/28/10	Current	Abn
Iron	16	9.4	13	17	---
Nickel	0.0	0.4	0.0	0.3	---
Chromium	0.4	0.8	0.8	0.9	---
Titanium	0.0	10	12	17	---
Copper	0.6	5.6	5.5	4.5	---
Aluminum	4.5	7.9	9.1	14	---
Tin	0.0	0.0	0.0	0.0	---
Lead	160	680	808	873	---
Silver	0.0	0.0	0.0	0.0	---

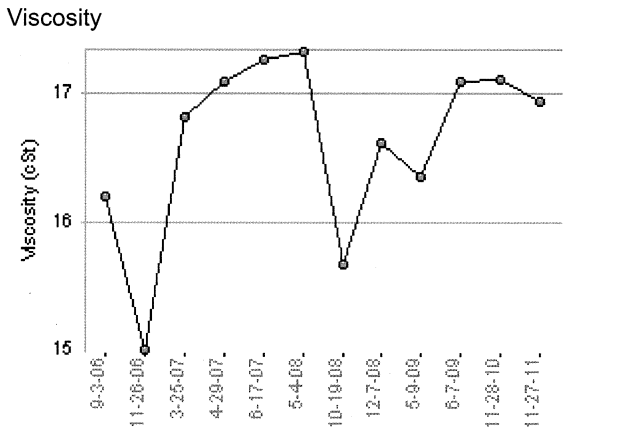
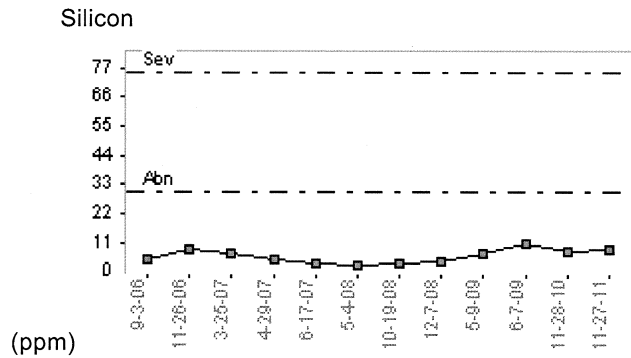
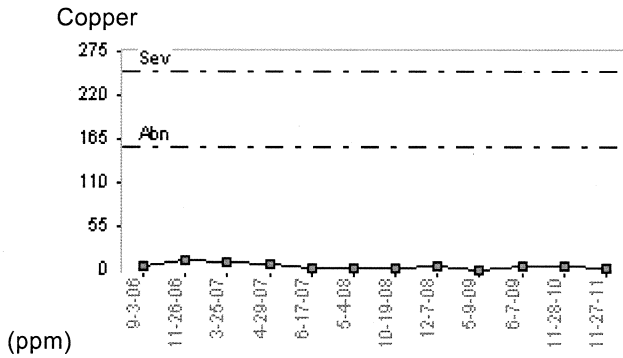
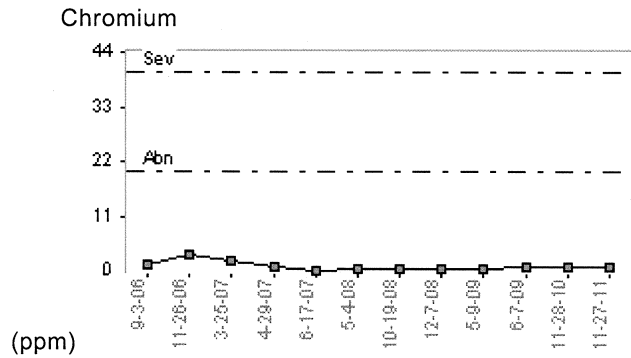
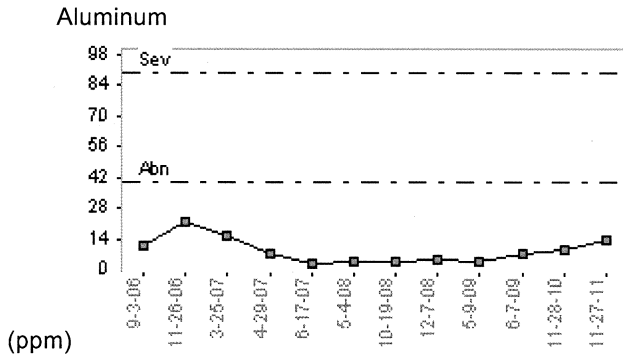
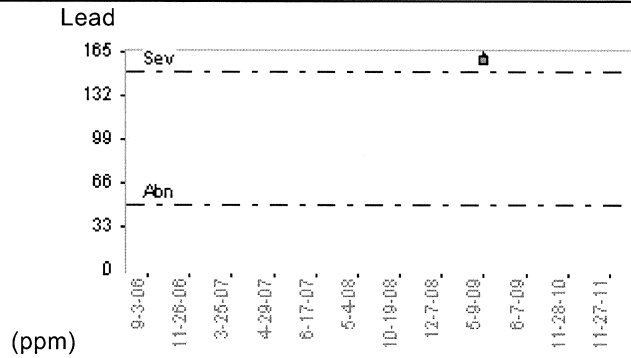
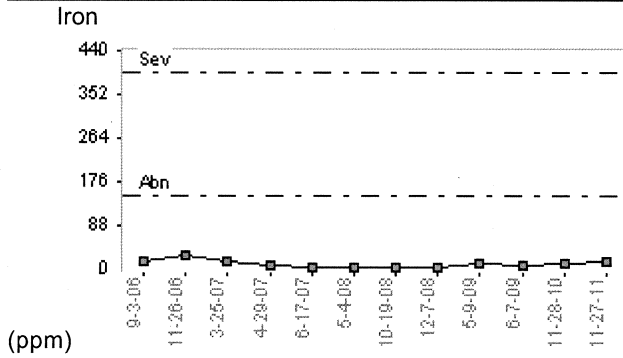
OIL CONDITION

Oil Type: 14 QTS of VALVOLINE ALLCLIMT 20W50

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

Sample Date	05/09/09	06/07/09	11/28/10	Current	Base
Boron	8.1	1.5	0.7	0.4	
Barium	0.0	0.0	0.0	0.0	
Calcium	1614	1490	1578	1532	
Magnesium	9.5	6.5	5.7	3.9	
Molybdenum	0.6	2.2	2.2	4.3	
Sodium	146	365	384	342	
Phosphorus	646	761	805	810	
Sulfur	2418	2762	2356	2231	
Zinc	720	774	844	763	
Visc@40°C	---	---	---	---	
Visc@100°C	16.36	17.1	17.11	16.94	
VI	---	---	---	---	
Oxidation	5	6	9	7	---

Graphs



Report Legend

Abn	Represents the general abnormal limit for the test result.
Base	Represents the test result values from a sample of the new unused oil.
Current	Represents data for the current sample submitted.
>	Greater than
<	Less than
---	Data value unavailable.

If you have any questions concerning this sample report (work order no 02989536) please call 1-800-237-1369.



The leader in oil analysis
WearCheck International
 Africa, Asia, Australia, Europe, North America

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ENGINE MAINTENANCE WORKSHEET - SBC

DATE: 12-10-11
 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

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

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

	<u>LEAK DOWN PSI</u>	<u>COMP PSI</u>
#1	<u>1%</u>	<u>180</u>
#3	<u>1%</u>	<u>175</u>
#5	<u>1%</u>	<u>180</u>
#7	<u>3%</u>	<u>175</u>

	<u>LEAK DOWN PSI</u>	<u>COMP PSI</u>
#2	<u>2%</u>	<u>180</u>
#4	<u>1%</u>	<u>180</u>
#6	<u>3%</u>	<u>180</u>
#8	<u>3%</u>	<u>175</u>

NOTES: * ALL MEASUREMENT TAKEN COLD
 * EXTRACTED OIL SAMPLE → OIL = 220°F

* PLUGS = CHAMPION CS9CX