

CHASSIS SETUP SHEET

DATE: 11-14-10
 CAR: BNS Monte Carlo #69
 TRACK: SUMMIT POINT

LF

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

RF

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

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: 3.75:1
 Rear Pinion Angle: 3.5° Down SHIM: ~200
 Track Bar Height: LR= 10 3/4" RR= 10 3/4"
 Fuel Level: FULL

LR

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

RR

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

w/DRIVER @ 230

LF Weight: 848 RF Weight: 905
 LR Weight: 835 RR Weight: 879

Cross Weight (LF+RR): 1727 Right-Side Weight (RF+RR): 1784
 Front Weight (LF+RF): 1753 TOTAL (LF+RF+LR+RR): 3467

NOTES: * TOTAL TIME ON ENGINE = 27.5 HOURS
 * CHANGED OIL & FILTER (HPLA) - 13 QUARTS + STP
 * BLED ALL (4) WHEELS W/ MIGHTY VAC
 * LABIRED VALVES

* BEFORE NEXT RACE CHECK ISLAR ARM!!

ENGINE MAINTENANCE WORKSHEET - SBC

DATE: 11-13-10
 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	_____	_____	0.011
#1 - I	_____	_____	0.015
#3 - I	_____	_____	0.015
#3 - E	_____	_____	0.011
#5 - E	_____	_____	0.011
#5 - I	_____	_____	0.015
#7 - I	_____	_____	0.015
#7 - E	_____	_____	0.011

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

	<u>LEAK DOWN PSI</u>	<u>COMP PSI</u>
#1	_____	_____
#3	_____	_____
#5	_____	_____
#7	_____	_____

	<u>LEAK DOWN PSI</u>	<u>COMP PSI</u>
#2	_____	_____
#4	_____	_____
#6	_____	_____
#8	_____	_____

NOTES: TIGHT INTAKES: 1-8-4-3-6-5-7-2
TIGHT EXHAUSTS: 7

Track/Event: Summit Point Turkey Bowl Warm - *245
124
121*
 Date: 11/28/10 Time: 0930 - 0940
 Weather & Conditions: Dry Cold 30°

Lap Times:

- | | |
|---|---------------------------------|
| 1) <u>1</u> (m) <u>24</u> . _____ (s) | 11) _____ (m) _____ . _____ (s) |
| 2) <u>1</u> (m) <u>21</u> . _____ (s) | 12) _____ (m) _____ . _____ (s) |
| 3) <u>1</u> (m) <u>20</u> . <u>71</u> (s) | 13) _____ (m) _____ . _____ (s) |
| 4) <u>1</u> (m) <u>20</u> . <u>85</u> (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: 26 (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 21 (psi) Hot: 26 (psi)

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

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

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

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

Notes: 5 gals Fuel added

WORKER RATES 11/27
10 LAPS / 20 MINUTES
45 MINUTES

HOBBS START: _____
 HOBBS STOP: _____

MILES: 8

ENGINE OIL TEMP: _____
 ENGINE WATER TEMP: _____

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

Track/Event: Summit Point Turkey Bowl - Race 1

Date: 11/28/10 Time: 11:50 - 12:15

Weather & Conditions: Dry Clear 38°

Lap Times:

1) 1 (m) 24 . _____ (s)

2) 1 (m) 20 . _____ (s)

3) 1 (m) 19 . 75 (s)

4) 1 (m) 52 . _____ (s) *off track gravel pit*

5) 1 (m) 52 . _____ (s)

6) ? (m) _____ . _____ (s) *operator error in stopwatch*

7) ? (m) _____ . _____ (s)

8) 1 (m) 20 . 56 (s)

9) 1 (m) 24 . 16 (s)

10) 1 (m) 21 . 61 (s)

11) 1 (m) 21 . 10 (s)

12) 1 (m) 21 . 50 (s)

13) 0 (m) 00 . _____ (s) *operator error again*

14) 1 (m) 22 . 54 (s)

15) 1 (m) 23 . 56 (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: 26 (psi)

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

Cold: 21 (psi) Hot: 27 (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: 24 (psi)

Notes:

No changes

SPIN ON EXIT OF TURN #3

"NO DAMAGE"

HOBBS START: _____

HOBBS STOP: _____ *25 min*

MILES: 34 *15 laps + 1 cool down*

ENGINE OIL TEMP: 230

ENGINE WATER TEMP: 215

BRAKE ROTOR TEMP (LF/RF): /

BRAKE ROTOR TEMP (LR/RR): /

Track/Event: Summit Point - Turkey Bowl Race 2

Date: 11/28/10 Time: 1430

Weather & Conditions: Dry Clear 46°

Debris
pace → Lap Times:

- 1) 1 (m) 33 . 50 (s)
- 2) 1 (m) 22 . 04 (s)
- 3) 1 (m) 22 . 50 (s)
- 4) 1 (m) 21 . 34 (s)
- 5) 1 (m) 20 . 67 (s)
- 6) 1 (m) 21 . 32 (s)
- 7) 1 (m) 20 . 69 (s)
- 8) 1 (m) 20 . _____ (s)
- 9) ? (m) ? . _____ (s) *operch error*
- 10) 1 (m) 20 . 03 (s)

- 11) _____ (m) _____ . _____ (s) *operch error*
- 12) _____ (m) _____ . _____ (s)
- 13) 1 (m) 20 . 35 (s)
- 14) 1 (m) 20 . 27 (s)
- 15) 1 (m) 20 . 00 (s)
- 16) _____ (m) _____ . _____ (s)
- 17) _____ (m) _____ . _____ (s) *cool down lap*
- 18) _____ (m) _____ . _____ (s)
- 19) _____ (m) _____ . _____ (s)
- 20) _____ (m) _____ . _____ (s)

LEFT FRONT

Outside	Middle	Inside
°F	°F	°F

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

RIGHT FRONT

Inside	Middle	Outside
°F	°F	°F

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

LEFT REAR

Outside	Middle	Inside
°F	°F	°F

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

RIGHT REAR

Inside	Middle	Outside
°F	°F	°F

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

Notes:

Checkerboard Flag

HOBBS START: _____
HOBBS STOP: _____ *25 min*

MILES: 34

ENGINE OIL TEMP: 180
ENGINE WATER TEMP: 160

TOTAL MILES: 96

TOTAL TIME ON OTC = 2.5

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



MOBILE OIL ANALYSIS REPORT

CONTAMINATION
WEAR
OIL CONDITION

ATTENTION
MARGINAL
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-MI165541

Date Rec'd : Mar 10, 2011
Sample Date : Nov 28, 2010
Diagnostician : Jonathan Hester

RECOMMENDATION

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

Sample Date	12/07/08	05/09/09	06/07/09	Current	UOM
Time on Unit	24	25	27	29	hrs
Time on Oil	2.5	1	2	2	hrs
Time on Fltr	2.5	1	2	2	hrs
Oil Maint.	changed	changed	changed	changed	---
Filter Maint.	changed	changed	changed	changed	---

CONTAMINATION

Elemental level of sodium (Na) indicates a possible cooling water leak

Sample Date	12/07/08	05/09/09	06/07/09	Current	Abn
Silicon	3.9	7.3	11	8.2	
Potassium	0.0	0.0	0.0	0.0	
Sodium	384	146	365	384	
Fuel (%)	<2.0	<2.0	<2.0	<2.0	
Glycol	---	---	---	---	
Water (%)	<0.1	<0.1	<0.1	<0.1	
Soot (%)	0	0	0	0	
Sulfation	9	6	5	10	
Nitration	5	2	3	5	

WEAR

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

Sample Date	12/07/08	05/09/09	06/07/09	Current	Abn
Iron	6.6	16	9.4	13	
Nickel	0.7	0.0	0.4	0.0	
Chromium	0.6	0.4	0.8	0.8	
Titanium	11	0.0	10	12	
Copper	5.9	0.6	5.6	5.5	
Aluminum	5.2	4.5	7.9	9.1	
Tin	0.0	0.0	0.0	0.0	
Lead	811	160	680	808	
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	12/07/08	05/09/09	06/07/09	Current	Base
Boron	1.4	8.1	1.5	0.7	
Barium	0.4	0.0	0.0	0.0	
Calcium	1556	1614	1490	1578	
Magnesium	5.6	9.5	6.5	5.7	
Molybdenum	6.3	0.6	2.2	2.2	
Sodium	384	146	365	384	
Phosphorus	824	646	761	805	
Sulfur	2807	2418	2762	2356	
Zinc	864	720	774	844	
Visc@40°C	---	---	---	---	
Visc@100°C	16.62	16.36	17.1	17.11	
Oxidation	9	5	6	9	---