

INTOXILYZER 8000  
REPAIR AND MAINTENANCE

Serial No.: 80-004942

Location: TOXL

- |  | Check When Done |
|--|-----------------|
| 1. Is a three-pronged grounded outlet used?  | <u>✓</u>        |
| 2. Is the warm-up time less than 20 minutes?   | <u>✓</u>        |
| 3. Is the breath tube heated?  | <u>✓</u>        |
| 4. Is the diagnostic check complete?   | <u>✓</u>        |
| 5. Is the time, date, and year correct (re-set if necessary)?  | <u>✓</u>        |
| 6. Print test. (Attach test record.)   | <u>✓</u>        |
| 7. Calibration Check. Use Ethanol Breath Standard (EBS). Do three sets in ACA mode. (Attach test records.) |                 |

Lot No. <u>23411080A1</u>	Cylinder No. <u>15</u>	Expir. Date <u>10/01/13</u>
Test 1 <u>0.079</u>	Test 4 <u>0.079</u>	Test 7 <u>0.079</u>
Test 2 <u>0.078</u>	Test 5 <u>0.079</u>	Test 8 <u>0.079</u>
Test 3 <u>0.079</u>	Test 6 <u>0.080</u>	Test 9 <u>0.079</u>
Average <u>0.079</u>		

- |  |          |
|--|----------|
| 8. Low AC. Use < 0.03 AC in ACA mode. (Attach test record.)                                      | <u>✓</u> |
| 9. Linearity Test. Use ≥ 0.25 AC in ACA mode. (Attach test record.)                              | <u>✓</u> |
| 10. Interferent check. Use 0.05% acetone plus 0.10 AC ethanol in ABA mode. (Attach test record.) | <u>✓</u> |
| 11. RFI check. Run CMS mode. Key radio on first room air. (Attach test record.)                  | <u>✓</u> |

Electrical Repairs:

1. Was the calibration adjusted/performed? (Attach test record.) YES  
*5/30/13 CEE*
2. Was the light source changed? No
3. Was the sample chamber cleaned? No

Other Maintenance/Repairs:

1. Was the printer cleaned/repaired? No
2. Was the solenoid cleaned? No
3. Was new tubing installed? No
4. Were additional parts replaced/changed/repaired? No
5. Remarks/Maintenance record: D.K. OPENED TOP TO VERIFY COMPONENT RELATED TO EXTERNAL BATTERY FOR C.M.I.

31 MAY 13  
Date

*Charles E. Eden*  
Field Inspector's Signature

31 May 13  
Date

*Deb Kashur*  
Reviewed by

Intoxilyzer Test Record and Checklist  
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer            Alcohol Analyzer  
North Dakota Model 8000            SN 80-004942  
Location = TOXL                    8164.13.00 06/09  
05/31/2013                            11:10

\*\*\*\*\* Printer Test \*\*\*\*\*

abcdefghijklmnopqrstuvwxy1234567890-=\_|  
ABCDEFGHIJKLMN0PQRSTUVWXYZ!@#\$\$%^&\*()\_+?

abcdefghijklmnopqrstuvwxy1234567890-=\_|  
ABCDEFGHIJKLMN0PQRSTUVWXYZ!@#\$\$%^&\*()\_+?

Current Instrument Setup

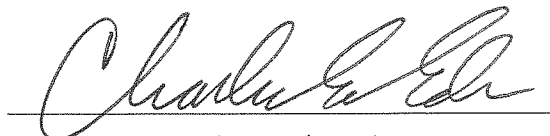
Data Entry Mode:                    Enabled  
Start Test Sequence:                DABACABA  
Display Prelim Rslt?                Yes  
Display Third Digit?                Yes  
Inhib Printer(Y/N)?                No  
Display Volume?                    No  
Disable On Memfull?                Yes  
# of Print Copies?                   1  
Select Std (D/W/I)?                Dry  
Standard Value?                    0.080  
Standard Lot #?                    23411080A1  
Standard Cyl #?                    15  
Standard Expiration?                10/01/2013  
Oper No?                            666666

Flow Cal. Date:                    08/21/2012  
Slope                                638  
Intercept                            -487461

IR Calibration Date:                05/30/2013  
                                      3um                                9um

-----  
0th Coef(\*100):                    -17966                                -17324  
1st Coef(\*100):                    263079                                132742  
2nd Coef(\*100):                    2170                                    1338  
H2O adj(mg/l\*10k):                723                                    660

\*\*\*\*\* Printer Test End \*\*\*\*\*



Operator Signature  
CHARLES EDER

Remarks:

PRINT TEST

Intoxilyzer Test Record and Checklist  
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-004942  
Location = TOXL      8164.13.00 06/09  
05/31/2013      10:16

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:16
02 Std. Gas	0.079	10:17
03 Room Air	0.000	10:17
04 Std. Gas	0.078	10:17
05 Room Air	0.000	10:18
06 Std. Gas	0.079	10:18
07 Room Air	0.000	10:19

Lot No = 23411080A1  
Cyl No = 15  
Exp Date = 10/01/2013  
County = 08      Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks: *CALIBRATION CHECK*  
*0.080 AC (E.G.S.)*

Intoxilyzer Test Record and Checklist  
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-004942  
Location = TOXL      8164.13.00 06/09  
05/31/2013      10:24

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:25
02 Std. Gas	0.079	10:25
03 Room Air	0.000	10:26
04 Std. Gas	0.079	10:26
05 Room Air	0.000	10:27
06 Std. Gas	0.080	10:27
07 Room Air	0.000	10:28

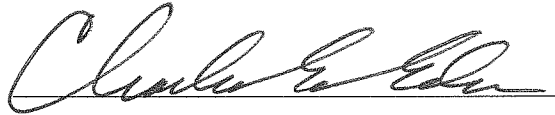
Lot No = 23411080A1

Cyl No = 15

Exp Date = 10/01/2013

County = 08

Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks: *CALIBRATION CHECK*  
*0.080 AC (E.G.S.)*

Form 106-I8000

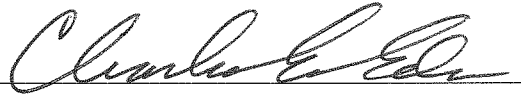
Intoxilyzer Test Record and Checklist  
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-004942  
Location = TOXL      8164.13.00 06/09  
05/31/2013      10:28

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:29
02 Std. Gas	0.079	10:29
03 Room Air	0.000	10:30
04 Std. Gas	0.079	10:30
05 Room Air	0.000	10:31
06 Std. Gas	0.079	10:31
07 Room Air	0.000	10:31

Lot No = 23411080A1  
Cyl No = 15  
Exp Date = 10/01/2013  
County = 08      Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks:

CALIBRATION CHECK  
0.080 AC (E.G.S.)

Form 106-I8000

Intoxilyzer Test Record and Checklist  
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-004942  
Location = TOXL      8164.13.00 06/09  
05/31/2013      09:23

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	09:24
02 Std. Sol.	0.019	09:25
03 Room Air	0.000	09:26
04 Std. Sol.	0.019	09:26
05 Room Air	0.000	09:27
06 Std. Sol.	0.019	09:28
07 Room Air	0.000	09:28

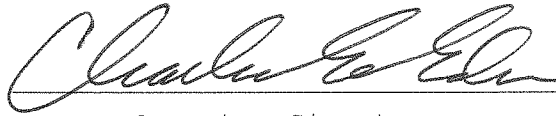
08 Sim Temp = 34.0°C

Simul Ser No = DR3455

Std Sol No = 12210

County = 08

Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks:

*Low AC*  
*0.020 AC (Sim. Sol.)*

Form 106-I8000

Intoxilyzer Test Record and Checklist  
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-004942  
Location = TOXL      8164.13.00 06/09  
05/31/2013      09:53

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	09:54
02 Std. Sol.	0.303	09:55
03 Room Air	0.000	09:55
04 Std. Sol.	0.304	09:56
05 Room Air	0.000	09:56
06 Std. Sol.	0.305	09:57
07 Room Air	0.000	09:58

08 Sim Temp = 34.0°C

Simul Ser No = DR5143

Std Sol No = 13080

County = 08

Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks:

LINEARITY TEST  
0.300 AC (Sim. Sol.)

Form 106-I8000



Intoxilyzer Test Record and Checklist  
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-004942  
Location = TOXL      8164.13.00 06/09  
05/31/2013      10:45

Test	AC	Time
01 Room Air	0.000	10:46
02 *Subject Test	INT*	10:47
03 Room Air	0.000	10:48

\*Invalid Test  
Interferent Detected

Sub Name = DISCOVER, THE SPIRIT  
Sub DOB = 01/01/1982  
Sub Sex = Female      Weight = 150  
Test = DUI      Cit = QWERTYUIOPASDFG  
Dr. Lic. = ND/DIS821456  
Lot No = 23411080A1  
Cyl No = 15  
Expiration Date = 10/01/2013  
County = 08      Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks: *INTERFERENT CHECK*  
*CBE*  
*0.100 AC + 0.05% ACETONE*  
*ACETONE*

Form 106-I8000

Intoxilyzer Test Record and Checklist  
NDOAG Crime Lab. Div., Bismarck, ND 58501


CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-004942  
Location = TOXL      8164.13.00 06/09  
05/31/2013      10:55

Test	AC	Time
01 Diagnostic	OK	10:56
02 Room Air	RFI*	10:57
03 Room Air	0.000	10:57

\*Invalid Test  
Inhibited - RFI

Sub Name = DISCOVER, THE SPIRIT  
Sub DOB = 01/01/1982  
Sub Sex = Female      Weight = 150  
Test = DUI      Cit = MNBVCXZLKJH0987  
Dr. Lic. = ND/DIS821456  
Lot No = 23411080A1  
Cyl No = 15  
Expiration Date = 10/01/2013  
County = 08      Oper No. = 666666

I followed the Approved Method and the instructions displayed by the Intoxilyzer in conducting this test.



Operator Signature  
CHARLES EDER

Remarks: *RFI CHECK*

TOXL  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-004942  
 05/30/2013 15:28:26

Auto Calibration

<<<<<			3um	>>>>>			<<<<<			9um	>>>>>		
-----													
Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1													
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)			% Abs	(% Abs Ref)				
Sample #1	0.1020	(0.0080)		0.1530	(-0.0070)			0.0000	AC				
Sample #2	0.0710	(0.0790)		0.1390	(0.0220)			MILLI-Q					
Sample #3	0.0640	(0.1090)		0.1300	(0.0210)			H <sub>2</sub> O					
Sample #4	0.0550	(0.1340)		0.1370	(0.0160)			DR5188					
Avg % Abs	0.0633	(0.1073)		0.1353	(0.0197)								
STD DEV	0.0080	(0.0275)		0.0047	(0.0032)								
REL STD DEV	12.664	(25.656)		3.492	(16.345)								
-----													
Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1													
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)			% Abs	(% Abs Ref)				
Sample #1	0.7950	(-0.0100)		1.5370	(-0.0070)			0.040	AC				
Sample #2	0.8140	(-0.0070)		1.5330	(0.0020)			DR3378					
Sample #3	0.8050	(0.0020)		1.5440	(-0.0060)			Lot#: 11150					
Sample #4	0.7790	(0.0280)		1.5300	(0.0020)			Exp: 8/9/13					
Avg % Abs	0.7993	(0.0077)		1.5357	(-0.0007)								
STD DEV	0.0182	(0.0182)		0.0074	(0.0046)								
REL STD DEV	2.274	(237.066)		0.480	(692.820)								
-----													
Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1													
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)			% Abs	(% Abs Ref)				
Sample #1	1.5200	(-0.0300)		2.9300	(0.0000)			0.080	AC				
Sample #2	1.5150	(-0.0430)		2.9250	(-0.0070)			DR5190					
Sample #3	1.4770	(-0.0680)		2.8900	(-0.0240)			Lot#: 11200					
Sample #4	1.4780	(-0.1010)		2.9180	(-0.0370)			Exp: 10/11/13					
Avg % Abs	1.4900	(-0.0707)		2.9110	(-0.0227)								
STD DEV	0.0217	(0.0291)		0.0185	(0.0150)								
REL STD DEV	1.453	(41.168)		0.636	(66.372)								
-----													
Solution = 0.150 g/210L or 0.7143 mg/l, Samples = 4, Discarded = 1													
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)			% Abs	(% Abs Ref)				
Sample #1	2.7270	(-0.0170)		5.2140	(0.0000)			0.150	AC				
Sample #2	2.7510	(0.0070)		5.2430	(0.0030)			DR3849					
Sample #3	2.7090	(0.0350)		5.2380	(0.0130)			Lot#: 11230					
Sample #4	2.7080	(0.0520)		5.2410	(0.0250)			Exp: 11/17/13					
Avg % Abs	2.7227	(0.0313)		5.2407	(0.0137)								
STD DEV	0.0245	(0.0227)		0.0025	(0.0110)								
REL STD DEV	0.901	(72.520)		0.048	(80.599)								
-----													
Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1													
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)			% Abs	(% Abs Ref)				
Sample #1	5.2190	(0.0070)		9.8190	(0.0030)			0.300	AC				
Sample #2	5.2750	(0.0230)		9.8730	(0.0070)			DR3847					
Sample #3	5.2920	(0.0290)		9.9190	(0.0080)			Lot#: 13020					
Sample #4	5.2420	(0.0710)		9.9150	(0.0220)			Exp: 01/15/15					
Avg % Abs	5.2697	(0.0410)		9.9023	(0.0123)								
STD DEV	0.0254	(0.0262)		0.0255	(0.0084)								
REL STD DEV	0.482	(63.789)		0.257	(67.999)								
-----													

*Charles E. Edwards*

TOXL  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-004942  
 05/30/2013 15:28:26

Auto Calibration

pg 2 of 2

<<<<< 3um >>>>>  
 -----  
 Zero Order Coef -179.66  
 First Order Coef 2630.79  
 Second Order Coef 21.70

<<<<< 9um >>>>>  
 -----  
 -173.24  
 1327.42  
 13.38

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	-0.000	0.0003
0.040	0.041	-0.0007
0.080	0.080	0.0004
0.150	0.150	-0.0000
0.300	0.300	-0.0000

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.000	-0.0001
0.040	0.040	0.0002
0.080	0.080	0.0001
0.150	0.150	-0.0002
0.300	0.300	0.0001

<<<<< 3um >>>>>  
 -----  
 Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1

<<<<< 9um >>>>>  
 -----

Sample	3um
Sample #1	3097.00
Sample #2	3100.00
Sample #3	3073.00
Sample #4	3087.00
Avg	3086.6667
STD DEV	13.5031
REL STD DEV	0.437
H2O adjust (mg/l*10k)	723

3162.00 0.080 AC  
 3153.00 Lot #:  
 3139.00  
 3157.00 11611080A2  
 3149.6667 CYL #: 143  
 9.4516  
 0.300 Exp. DATE:  
 660 06/01/2013

Atmospheric Pressure = 992

\*\*\*\*\*CALIBRATION SUCCESSFUL\*\*\*\*\*

