

INTOXILYZER 8000
REPAIR AND MAINTENANCE

Serial No.: 80-004938

Location: TOXL

Check When Done

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

Lot No. 15410080A1 Cylinder No. 21 Expir. Date 07/01/2012

Test 1 0.080 Test 4 0.080 Test 7 0.080

Test 2 0.080 Test 5 0.080 Test 8 0.080

Test 3 0.080 Test 6 0.080 Test 9 0.081

Average 0.080

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

Electrical Repairs:

1. Was the calibration adjusted/performed? (Attach test record.) YES (11/10/2010)
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: Calibration done 11/10/2010.

18 Feb 2011
Date

Debs Kashur
Field Inspector's Signature

18 Feb 2011
Date

Mary Pearson
Reviewed by

TIOG
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-004938
 11/10/2010 15:53:56

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)		
Sample #1	0.1100	(0.0130)	0.2050	(0.0000)		
Sample #2	0.1110	(0.0510)	0.1960	(0.0250)		
Sample #3	0.1030	(0.1080)	0.2010	(0.0280)		
Sample #4	0.0880	(0.1440)	0.1740	(0.0470)		
Avg % Abs	0.1007	(0.1010)	0.1903	(0.0333)		
STD DEV	0.0117	(0.0469)	0.0144	(0.0119)		
REL STD DEV	11.599	(46.429)	7.547	(35.791)		

Solution =	0.021 g/210L or 0.1000 mg/l,		Samples = 4,		Discarded = 1	
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)		
Sample #1	0.4710	(-0.0110)	0.9370	(-0.0120)		
Sample #2	0.4660	(0.0130)	0.9240	(-0.0070)		
Sample #3	0.4480	(0.0310)	0.9110	(0.0060)		
Sample #4	0.4750	(0.0290)	0.9580	(-0.0170)		
Avg % Abs	0.4630	(0.0243)	0.9310	(-0.0060)		
STD DEV	0.0137	(0.0099)	0.0243	(0.0115)		
REL STD DEV	2.969	(40.544)	2.607	(192.209)		

Solution =	0.040 g/210L or 0.1905 mg/l,		Samples = 4,		Discarded = 1	
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)		
Sample #1	0.8260	(-0.0210)	1.5910	(-0.0090)		
Sample #2	0.8060	(0.0040)	1.5770	(0.0050)		
Sample #3	0.7710	(0.0260)	1.5470	(0.0290)		
Sample #4	0.7820	(0.0230)	1.5430	(0.0390)		
Avg % Abs	0.7863	(0.0177)	1.5557	(0.0243)		
STD DEV	0.0179	(0.0119)	0.0186	(0.0175)		
REL STD DEV	2.276	(67.530)	1.195	(71.810)		

Solution =	0.120 g/210L or 0.5714 mg/l,		Samples = 4,		Discarded = 1	
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)		
Sample #1	2.2140	(0.0000)	4.2970	(0.0000)		
Sample #2	2.2220	(0.0160)	4.3220	(0.0150)		
Sample #3	2.2090	(0.0340)	4.3290	(0.0230)		
Sample #4	2.2270	(0.0290)	4.3280	(0.0260)		
Avg % Abs	2.2193	(0.0263)	4.3263	(0.0213)		
STD DEV	0.0093	(0.0093)	0.0038	(0.0057)		
REL STD DEV	0.419	(35.284)	0.088	(26.654)		

Solution =	0.294 g/210L or 1.4000 mg/l,		Samples = 4,		Discarded = 1	
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)		
Sample #1	5.2140	(-0.0030)	9.9190	(0.0070)		
Sample #2	5.2110	(0.0320)	9.9070	(0.0530)		
Sample #3	5.2040	(0.0280)	9.9280	(0.0240)		
Sample #4	5.2000	(0.0240)	9.9270	(0.0230)		
Avg % Abs	5.2050	(0.0280)	9.9207	(0.0333)		
STD DEV	0.0056	(0.0040)	0.0118	(0.0170)		
REL STD DEV	0.107	(14.286)	0.119	(51.118)		

*Calibration
 Deb Kashur
 p. 1 of 2*

*80-004938
 P. 60 of 69
 FM*

TIOG
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-004938
 11/10/2010 15:53:56

Auto Calibration

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<<<<< 3um >>>>>			<<<<< 9um >>>>>		
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Zero Order Coef	-239.38		Zero Order Coef	-241.23	
First Order Coef	2660.75		First Order Coef	1337.92	
Second Order Coef	14.29		Second Order Coef	9.81	
-----			-----		
Act	Fit	Residual	Act	Fit	Residual
(g/210L)	(g/210L)	(g/210L)	(g/210L)	(g/210L)	(g/210L)
0.000	0.001	-0.0006	0.000	0.000	-0.0003
0.021	0.021	0.0001	0.021	0.021	-0.0003
0.040	0.039	0.0009	0.040	0.039	0.0009
0.120	0.120	-0.0005	0.120	0.120	-0.0003
0.294	0.294	0.0001	0.294	0.294	0.0001
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<<<<< 3um >>>>>		<<<<< 9um >>>>>	
-----		-----	
Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1			
Sample			
Sample #1	3076.00	3121.00	
Sample #2	3124.00	3125.00	
Sample #3	3073.00	3126.00	
Sample #4	3135.00	3133.00	
Avg	3110.6667	3128.0000	
STD DEV	33.0807	4.3589	
REL STD DEV	1.063	0.139	
H2O adjust (mg/l*10k)	699	681	

Atmospheric Pressure = 1009

*****CALIBRATION SUCCESSFUL*****

*Calibration
 Deb Kashur
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 P. 6/10/69
 JH

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004938
Location = ~~TIIG TOXL DK~~ 8164.13.00 06/09
02/17/2011 16:27

***** 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 #? 15410080A1
Standard Cyl #? 21
Standard Expiration? 07/01/2012
Oper No? 777777

Flow Cal. Date: 01/25/2010
Slope 712
Intercept -604165

IR Calibration Date: 11/10/2010
 3um 9um

0th Coef(*100): -23938 -24123
1st Coef(*100): 266075 133792
2nd Coef(*100): 1429 981
H2O adj(mg/l*10k): 699 681

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

Deb Kasher

Operator Signature
DEB KASHUR

Remarks:

Print Test

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P. 62469
FA

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004938
Location = TOXL 8164.13.00 06/09
02/18/2011 10:29

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:30
02 Std. Gas	0.080	10:30
03 Room Air	0.000	10:31
04 Std. Gas	0.080	10:31
05 Room Air	0.000	10:32
06 Std. Gas	0.080	10:32
07 Room Air	0.000	10:32

Lot No = 15410080A1
Cyl No = 21
Exp Date = 07/01/2012
County = 08 Oper No. = 777777

Deb Kasher

Operator Signature
DEB KASHUR

Remarks:

Calibration check 0.080 AC

Form 106-I8000

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JKR

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004938
Location = TOXL 8164.13.00 06/09
02/18/2011 10:33

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:33
02 Std. Gas	0.080	10:34
03 Room Air	0.000	10:34
04 Std. Gas	0.080	10:34
05 Room Air	0.000	10:35
06 Std. Gas	0.080	10:35
07 Room Air	0.000	10:36

Lot No = 15410080A1
Cyl No = 21
Exp Date = 07/01/2012
County = 08 Oper No. = 777777

Deb Kashur

Operator Signature
DEB KASHUR

Remarks:

Calibration check 0.080 AC

Form 106-I8000

*80-004938
8-64-69
KAM*

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004938
Location = TOXL 8164.13.00 06/09
02/18/2011 10:37

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:38
02 Std. Gas	0.080	10:38
03 Room Air	0.000	10:39
04 Std. Gas	0.080	10:39
05 Room Air	0.000	10:40
06 Std. Gas	0.081	10:40
07 Room Air	0.000	10:41

Lot No = 15410080A1
Cyl No = 21
Exp Date = 07/01/2012
County = 08 Oper No. = 777777

Deb Kashur

Operator Signature
DEB KASHUR

Remarks:

Calibration check 0.080 AC

Form 106-I8000

80-004938
8-65-169
FM

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004938
Location = TOXL 8164.13.00 06/09
02/18/2011 10:16

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:16
02 Std. Sol.	0.020	10:17
03 Room Air	0.000	10:18
04 Std. Sol.	0.020	10:18
05 Room Air	0.000	10:19
06 Std. Sol.	0.020	10:19
07 Room Air	0.000	10:20

08 Sim Temp = 34.0°C

Simul Ser No = 00000

Std Sol No = 000

County = 08

Oper No. = 777777

Deb Kasher

Operator Signature
DEB KASHUR

Remarks:

Low AC 0.021AC

Form 106-I8000

*80-004938
P. 6/6/09
JK*

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004938
Location = TOXL 8164.13.00 06/09
02/18/2011 10:22

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:23
02 Std. Sol.	0.293	10:23
03 Room Air	0.000	10:24
04 Std. Sol.	0.293	10:25
05 Room Air	0.000	10:25
06 Std. Sol.	0.293	10:26
07 Room Air	0.000	10:27

08 Sim Temp = 34.0°C

Simul Ser No = 00000

Std Sol No = 000

County = 08

Oper No. = 777777

Deb Kashur

Operator Signature
DEB KASHUR

Remarks:

Linearity test 0.294 AC

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FM

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004938
Location = TOXL 8164.13.00 06/09
02/18/2011 10:43

Test	AC	Time
01 Room Air	0.000	10:43
02 *Subject Test	INT*	10:44
03 Room Air	0.000	10:44

*Invalid Test
Interferent Detected

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 02/01/1992
Sub Sex = Female Weight = 150
Test = DUI Cit = NA
Dr. Lic. = ND/DIS921456
Lot No = 15410080A1
Cyl No = 21
Expiration Date = 07/01/2012
County = 08 Oper No. = 777777



Operator Signature
DEB KASHUR

Remarks:

Interferent check 0.100 AC + acetone

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FM

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004938
Location = TOXL 8164.13.00 06/09
02/18/2011 10:55

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

*Invalid Test
 Inhibited - RFI

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 02/01/1992
Sub Sex = Female Weight = 150
Test = DUI Cit = NA
Dr. Lic. = ND/DIS921456
Lot No = 15410080A1
Cyl No = 21
Expiration Date = 07/01/2012
County = 08 Oper No. = 777777

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

Deb Kasher

Operator Signature
DEB KASHUR

Remarks:

RFI Test

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P.69449
KH