

INTOXILYZER 8000
REPAIR AND MAINTENANCE

Serial No.: 80-004936

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. 12 Expir. Date 07/01/2012

Test 1 0.080 Test 4 0.079 Test 7 0.079

Test 2 0.079 Test 5 0.081 Test 8 0.080

Test 3 0.079 Test 6 0.080 Test 9 0.080

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.) ✓

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Electrical Repairs:

1. Was the calibration adjusted/performed? (Attach test record.) yes
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: Recalibrated

04 Feb 2011
Date

Deb Kashner
Field Inspector's Signature

4 Feb 2011
Date

Maryn Blain
Reviewed by

TOXL
MAFB DK

Intoxilyzer - Alcohol Analyzer

Model 8000

SN 80-004936

02/04/2011

13:38:55

Auto Calibration

pg 1 of 2

<<<<< 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	0.1300	(-0.0230)	0.2170	(-0.0120)
Sample #2	0.0830	(0.0510)	0.2250	(-0.0120)
Sample #3	0.1030	(0.0750)	0.2380	(-0.0090)
Sample #4	0.1000	(0.1050)	0.2310	(0.0100)
Avg % Abs	0.0953	(0.0770)	0.2313	(-0.0037)
STD DEV	0.0108	(0.0271)	0.0065	(0.0119)
REL STD DEV	11.314	(35.137)	2.813	(325.373)

Solution = 0.021 g/210L or 0.1000 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.4420	(0.0160)	0.9160	(0.0000)
Sample #2	0.4580	(0.0390)	0.9170	(0.0300)
Sample #3	0.4710	(0.0260)	0.9000	(0.0260)
Sample #4	0.4540	(0.0450)	0.9240	(0.0250)
Avg % Abs	0.4610	(0.0367)	0.9137	(0.0270)
STD DEV	0.0089	(0.0097)	0.0123	(0.0026)
REL STD DEV	1.928	(26.489)	1.351	(9.799)

Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.7910	(0.0090)	1.6040	(0.0090)
Sample #2	0.8130	(0.0320)	1.6060	(0.0230)
Sample #3	0.7970	(0.0240)	1.6310	(0.0060)
Sample #4	0.8420	(0.0110)	1.6470	(0.0060)
Avg % Abs	0.8173	(0.0223)	1.6280	(0.0117)
STD DEV	0.0228	(0.0106)	0.0207	(0.0098)
REL STD DEV	2.791	(47.457)	1.269	(84.128)

Solution = 0.120 g/210L or 0.5714 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	2.2720	(-0.0100)	4.3980	(-0.0100)
Sample #2	2.2750	(0.0010)	4.3940	(-0.0060)
Sample #3	2.2750	(0.0010)	4.4220	(-0.0050)
Sample #4	2.2680	(0.0080)	4.4100	(-0.0010)
Avg % Abs	2.2727	(0.0033)	4.4087	(-0.0040)
STD DEV	0.0040	(0.0040)	0.0140	(0.0026)
REL STD DEV	0.178	(121.244)	0.319	(66.144)

Solution = 0.294 g/210L or 1.4000 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	5.2370	(-0.0120)	9.9690	(-0.0090)
Sample #2	5.2180	(0.0290)	9.9570	(0.0220)
Sample #3	5.2630	(0.0100)	9.9970	(0.0140)
Sample #4	5.2350	(0.0200)	9.9850	(0.0100)
Avg % Abs	5.2387	(0.0197)	9.9797	(0.0153)
STD DEV	0.0227	(0.0095)	0.0205	(0.0061)
REL STD DEV	0.434	(48.327)	0.206	(39.848)

*Calibration
Deb Kashur*

80-004936
0.53462
RM

TOKL
MAFB- DK

Intoxilyzer - Alcohol Analyzer

Model 8000

SN 80-004936

02/04/2011

13:38:55

Auto Calibration

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<<<<< 3um >>>>>

Zero Order Coef -208.47
First Order Coef 2538.09
Second Order Coef 33.14

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

Zero Order Coef -255.72
First Order Coef 1302.77
Second Order Coef 12.56

Act Fit Residual
(g/210L) (g/210L) (g/210L)
0.000 0.001 -0.0007
0.021 0.020 0.0007
0.040 0.040 0.0003
0.120 0.120 -0.0003
0.294 0.294 0.0001

Act Fit Residual
(g/210L) (g/210L) (g/210L)
0.000 0.001 -0.0010
0.021 0.020 0.0012
0.040 0.040 0.0001
0.120 0.120 -0.0004
0.294 0.294 0.0001

<<<<< 3um >>>>>

Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1

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

Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1

Sample
Sample #1 3184.00
Sample #2 3227.00
Sample #3 3161.00
Sample #4 3197.00
Avg 3195.0000
STD DEV 33.0454
REL STD DEV 1.034
H2O adjust (mg/l*10k) 614

Sample
Sample #1 3146.00
Sample #2 3165.00
Sample #3 3181.00
Sample #4 3195.00
Avg 3180.3333
STD DEV 15.0111
REL STD DEV 0.472
H2O adjust (mg/l*10k) 629

Atmospheric Pressure = 1011

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

*Calibration
Deb Kashner*

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004936
Location = TOXL 8164.13.00 06/09
02/04/2011 14:33

***** Printer Test *****

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

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

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 #? 12
Standard Expiration? 07/01/2012
Oper No? 777777

Flow Cal. Date: 01/18/2010
Slope 732
Intercept -767769

IR Calibration Date: 02/04/2011
 3um 9um

0th Coef(*100): -20847 -25572
1st Coef(*100): 253809 130277
2nd Coef(*100): 3314 1256
H2O adj(mg/l*10k): 614 629

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

Deb Kasher

Operator Signature
DEB KASHUR

Remarks:

Print Test

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004936
Location = TOXL 8164.13.00 06/09
02/04/2011 14:38

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:38
02 Std. Gas	0.080	14:39
03 Room Air	0.000	14:39
04 Std. Gas	0.079	14:39
05 Room Air	0.000	14:40
06 Std. Gas	0.079	14:40
07 Room Air	0.000	14:41

Lot No = 15410080A1
Cyl No = 12
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

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PM

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004936
Location = TOXL 8164.13.00 06/09
02/04/2011 14:42

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:43
02 Std. Gas	0.079	14:43
03 Room Air	0.000	14:44
04 Std. Gas	0.081	14:44
05 Room Air	0.000	14:44
06 Std. Gas	0.080	14:45
07 Room Air	0.000	14:45

Lot No = 15410080A1
Cyl No = 12
Exp Date = 07/01/2012
County = 08 Oper No. = 777777

Deb Kashur

Operator Signature
DEB KASHUR

Remarks:

Calibration check 0.080 AC

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SKM

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004936
Location = TOXL 8164.13.00 06/09
02/04/2011 14:47

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:48
02 Std. Gas	0.079	14:48
03 Room Air	0.000	14:49
04 Std. Gas	0.080	14:49
05 Room Air	0.000	14:49
06 Std. Gas	0.080	14:50
07 Room Air	0.000	14:50

Lot No = 15410080A1
Cyl No = 12
Exp Date = 07/01/2012
County = 08 Oper No. = 777777

Deb Kashur

Operator Signature
DEB KASHUR

Remarks:

Calibration check 0.080 AC

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EM

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004936
Location = TOXL 8164.13.00 06/09
02/04/2011 15:53


WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	15:53
02 Std. Sol.	0.019	15:54
03 Room Air	0.000	15:55
04 Std. Sol.	0.019	15:56
05 Room Air	0.000	15:56
06 Std. Sol.	0.019	15:57
07 Room Air	0.000	15:57

08 Sim Temp = 34.0°C

Simul Ser No = 00000
Std Sol No = 000
County = 08

Oper No. = 777777



Operator Signature
DEB KASHUR

Remarks:

Low AC

0.021 AC

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17m

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004936
Location = TOXL 8164.13.00 06/09
02/04/2011 16:04

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:05
02 Std. Sol.	0.298	16:06
03 Room Air	0.000	16:06
04 Std. Sol.	0.297	16:07
05 Room Air	0.000	16:08
06 Std. Sol.	0.297	16:08
07 Room Air	0.000	16:09

08 Sim Temp = 34.0°C

Simul Ser No = 00000

Std Sol No = 000

County = 08

Oper No. = 77777

Deb Kasher

Operator Signature
DEB KASHUR

Remarks:

Linearity test 0.294 AC

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VM

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004936
Location = TOXL 8164.13.00 06/09
02/04/2011 16:19

Test	AC	Time
01 Room Air	0.000	16:20
02 *Subject Test	INT*	16:20
03 Room Air	0.000	16:21

*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 = 12
Expiration Date = 07/01/2012
County = 08 Oper No. = 777777

Deb Kashur

Operator Signature
DEB KASHUR

Remarks:

Interferent check 0.100 AC+acetone

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KFM

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004936
Location = TOXL 8164.13.00 06/09
02/04/2011 16:26

Test	AC	Time
01 Diagnostic	OK	16:27
02 Room Air	RFI*	16:27
03 Room Air	0.000	16:28

*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 = 12
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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