

BREATH ALCOHOL EQUIPMENT
REPAIR AND MAINTENANCE

Instrument: 8000 Serial Number: 80-005943 Location: TOXL

1. Instrument repairs/maintenance performed:

- CALIBRATION ADJUSTMENT DUE TO 0.080 AC READING LOW DURING TESTING. 0.080 AC READ 0.075 & 0.076.
- REPAIRED TEAR IN BREATH HOSE ELECTRICAL PROTECTIVE SLEEVE WITH ELECTRIC TAPE.

2. Does the instrument require further testing?
If Yes, continue.
If No, sign and date below.

Yes or No

3. If needed, set the time, date, and location.

NA

4. Does the flow need to be calibrated?
If Yes, attach paperwork.

Yes or No

5. Does the optical bench need to be calibrated?
If Yes, attach test records.

Yes or No

6. Does the gas regulator need to be calibrated?

Yes or No

PSI gauge reading _____ PSI display reading _____

Set instrument to Wet Bath and run tests:

7. Low AC. Use < 0.03 AC in ACA mode. Attach test record.

✓

Sim SN: DR5114 Lot #: 201603H AC: 0.010

8. Linearity Test. Use ≥ 0.25 AC in ACA mode. Attach test record.

✓

Sim SN: MP3048 Lot #: 201603A AC: 0.300

Set instrument to Gas and run tests:

9. Print test. Attach test record. ✓

10. Interferent Check. Use a 0.10 AC ethanol plus 0.05% acetone in ABA mode. Attach test record. ✓

Sim SN: DR5135 Lot #: ICS4 AC: 0.10AC+0.05% ACETONE

11. RFI Check. Run in CMS mode. Key radio during any room air or subject test. Attach test record. ✓

12. Calibration Check. Use a valid 0.080 AC Ethanol Gas Standard. Run three calibration sets in ACA mode. Attach test records. ✓

Lot No. 19615080A5 Cylinder No. 026 Expiration Date 9/5/2017

Test 1 0.080

Test 1 0.079

Test 1 0.080

Test 2 0.079

Test 2 0.079

Test 2 0.080

Test 3 0.079

Test 3 0.080

Test 3 0.080

Average 0.080 AC

Clara E. Edwards

Field Inspector's Signature

Deb Shanaver

Reviewed by

8/26/2016

Date

06 Sept 2016 ✓

Date

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-005943
 08/26/2016 14:52:37

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	0.0520	(0.0110)	0.1130	(0.0020)
Sample #2	0.0500	(0.0280)	0.1330	(-0.0050)
Sample #3	0.0510	(0.0480)	0.1290	(0.0070)
Sample #4	0.0160	(0.0780)	0.1240	(0.0200)
Avg % Abs	0.0390	(0.0513)	0.1287	(0.0073)
STD DEV	0.0199	(0.0252)	0.0045	(0.0125)
REL STD DEV	51.089	(49.025)	3.505	(170.500)

0.000 AC
 Milli Q H₂O
 MP 3064

Solution = 0.050 g/210L or 0.2381 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.9210	(-0.0120)	1.8290	(-0.0120)
Sample #2	0.9030	(0.0110)	1.8180	(0.0170)
Sample #3	0.8710	(0.0220)	1.7800	(0.0400)
Sample #4	0.8790	(0.0140)	1.8490	(0.0090)
Avg % Abs	0.8843	(0.0157)	1.8157	(0.0220)
STD DEV	0.0167	(0.0057)	0.0346	(0.0161)
REL STD DEV	1.883	(36.295)	1.903	(73.152)

0.050 AC
 LOT: 201503J
 Exp: 3/3/2017
 MP 3067

Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.7310	(0.0000)	3.4650	(0.0090)
Sample #2	1.7160	(0.0310)	3.4770	(0.0200)
Sample #3	1.7230	(0.0240)	3.4630	(0.0190)
Sample #4	1.6750	(0.0350)	3.4540	(0.0170)
Avg % Abs	1.7047	(0.0300)	3.4647	(0.0187)
STD DEV	0.0259	(0.0056)	0.0116	(0.0015)
REL STD DEV	1.521	(18.559)	0.335	(8.183)

0.100 AC
 LOT: 15050
 Exp: 3/9/2017
 MP 3059

Solution = 0.200 g/210L or 0.9524 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	3.3120	(-0.0220)	6.5650	(-0.0030)
Sample #2	3.2990	(0.0120)	6.5320	(0.0430)
Sample #3	3.2590	(0.0310)	6.5130	(0.0720)
Sample #4	3.2810	(0.0250)	6.5440	(0.0760)
Avg % Abs	3.2797	(0.0227)	6.5297	(0.0637)
STD DEV	0.0200	(0.0097)	0.0156	(0.0180)
REL STD DEV	0.611	(42.849)	0.239	(28.287)

0.200 AC
 LOT: 15240
 Exp: 11/11/2017
 MP 3070

Solution = 0.400 g/210L or 1.9048 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	6.3740	(-0.0070)	12.3980	(0.0010)
Sample #2	6.3750	(0.0400)	12.3400	(0.0950)
Sample #3	6.3720	(0.0430)	12.3420	(0.0930)
Sample #4	6.3260	(0.0650)	12.3140	(0.1210)
Avg % Abs	6.3577	(0.0493)	12.3320	(0.1030)
STD DEV	0.0275	(0.0137)	0.0156	(0.0156)
REL STD DEV	0.432	(27.670)	0.127	(15.166)

0.400 AC
 LOT: 16102
 Exp: 3/22/2018
 MP 3063

Charles E. Edr

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-005943
 08/26/2016 14:52:37

Auto Calibration

pg 2 of 2

<<<< 3um >>>>

<<<< 9um >>>>

 Zero Order Coef -135.89
 First Order Coef 2845.66
 Second Order Coef 27.17

 -195.47
 1396.14
 13.36

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	-0.001	0.0005
0.050	0.050	-0.0004
0.100	0.101	-0.0007
0.200	0.199	0.0007
0.400	0.400	-0.0001

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	-0.000	0.0003
0.050	0.050	-0.0001
0.100	0.101	-0.0008
0.200	0.199	0.0007
0.400	0.400	-0.0001

<<<< 3um >>>>

<<<< 9um >>>>

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

Sample	3um	9um
Sample #1	3456.00	3403.00
Sample #2	3392.00	3385.00
Sample #3	3453.00	3406.00
Sample #4	3440.00	3424.00
Avg	3428.3333	3405.0000
STD DEV	32.1299	19.5192
REL STD DEV	0.937	0.573
H2O adjust (mg/l*10k)	381	404

0.080 AC
 Lot: 29614080A2
 Exp: 12/15/2016
 Ctl: 012

Atmospheric Pressure = 956

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

- ADJUSTED DUE TO LOW 0.080 AC READINGS
 OF 0.075 & 0.076 -

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005943
Location = TOXL 8164.13.00 06/09
08/26/2016 15:41

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	15:42
02 Std. Sol.	0.008	15:43
03 Room Air	0.000	15:43
04 Std. Sol.	0.008	15:44
05 Room Air	0.000	15:45
06 Std. Sol.	0.008	15:45
07 Room Air	0.000	15:46

08 Sim Temp = 34.0°C

Simul Ser No = DR5114
Std Sol No = 201603H
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks: 0.010 AC

Low AC

Form 106-I8000

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

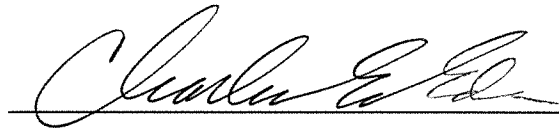
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005943
Location = TOXL 8164.13.00 06/09
08/26/2016 15:47

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	15:48
02 Std. Sol.	0.303	15:49
03 Room Air	0.000	15:49
04 Std. Sol.	0.304	15:50
05 Room Air	0.000	15:51
06 Std. Sol.	0.303	15:52
07 Room Air	0.000	15:52

08 Sim Temp = 34.0°C

Simul Ser No = MP3048
Std Sol No = 201603A
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks: *LINEARITY TEST*
0.300 AC

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 80-005943
Location = TOXL 8164.13.00 06/09
08/26/2016 15:56

Test	AC	Time
01 Room Air	0.000	15:57
02 *Subject Test	INT*	15:57
03 Room Air	0.000	15:58

*Invalid Test
Interferent Detected

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 01/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = INTERFERENT
Dr. Lic. = ND/DIS821456
Lot No = 19615080A5
Cyl No = 26
Expiration Date = 09/05/2017
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks: *Interferent Check*
0.10 AC + 0.05% ACETONE

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005943
Location = TOXL 8164.13.00 06/09
08/26/2016 16:00

Test	AC	Time
01 Diagnostic	OK	16:01
02 Room Air	0.000	16:02
03 *Subject Test	RFI*	16:02
04 Room Air	0.000	16:02

*Invalid Test
Inhibited - RFI

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 01/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = RFI CHECK
Dr. Lic. = ND/DIS821456
Lot No = 19615080A5
Cyl No = 26
Expiration Date = 09/05/2017
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


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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005943
Location = TOXL 8164.13.00 06/09
08/26/2016 16:03

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:04
02 Std. Gas	0.080	16:04
03 Room Air	0.000	16:05
04 Std. Gas	0.079	16:05
05 Room Air	0.000	16:06
06 Std. Gas	0.079	16:06
07 Room Air	0.000	16:07

Lot No = 19615080A5
Cyl No = 26
Exp Date = 09/05/2017
County = 08 Oper No. = 666666


Operator Signature
CHARLES EDER

Remarks: CALIBRATION CHECK
0.080AC

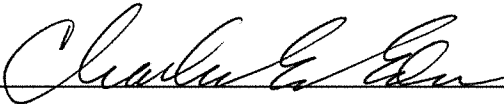
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005943
Location = TOXL 8164.13.00 06/09
08/26/2016 16:07

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:08
02 Std. Gas	0.079	16:08
03 Room Air	0.000	16:09
04 Std. Gas	0.079	16:09
05 Room Air	0.000	16:10
06 Std. Gas	0.080	16:10
07 Room Air	0.000	16:11

Lot No = 19615080A5
Cyl No = 26
Exp Date = 09/05/2017
County = 08 Oper No. = 666666


Operator Signature
CHARLES EDER

Remarks: CALIBRATION CHECK
0.080AC
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 80-005943
Location = TOXL 8164.13.00 06/09
08/26/2016 16:11

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:12
02 Std. Gas	0.080	16:13
03 Room Air	0.000	16:13
04 Std. Gas	0.080	16:13
05 Room Air	0.000	16:14
06 Std. Gas	0.080	16:14
07 Room Air	0.000	16:15

Lot No = 19615080A5
Cyl No = 26
Exp Date = 09/05/2017
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks: CALIBRATION CHECK
0.080 AC

Form 106-I8000