

**BREATH ALCOHOL EQUIPMENT
REPAIR AND MAINTENANCE**

Instrument: 8000 Serial Number: 80-005938 Location: TOXL

1. Instrument repairs/maintenance performed:

Calibration adjustment

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.

✓

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 760 PSI display reading 756

Set instrument to Wet Bath and run tests:

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

✓

Sim SN: DR3374 Lot #: 14240 AC: 0.020

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

✓

Sim SN: DR3841 Lot #: 2014080 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: DR5144 Lot #: 1CS2 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. 29614080 A2 Cylinder No. 4 Expiration Date 12/05/2016

Test 1 0.079

Test 1 0.081

Test 1 0.080

Test 2 0.079

Test 2 0.080

Test 2 0.080

Test 3 0.080

Test 3 0.079

Test 3 0.080

Average 0.080

Deb Kashur
Field Inspector's Signature

Charles E. Edm
Reviewed by

DK
28 July 15
Date

28 JUL 15
Date

TOXL DK
~~DKPD~~

Intoxilyzer - Alcohol Analyzer

Model 8000

SN 80-005938

07/27/2015

14:25:54

DK 13:

Auto Calibration

pg 1 of 2

<<<<<			3um	>>>>>			<<<<<			9um	>>>>>			
Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1												Milli-Q H ₂ O		
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)			% Abs	(% Abs Ref)		0.000 AC			
Sample #1	0.0840	(-0.0220)		0.1450	(0.0000)			0.1450	(0.0000)		DR 3375			
Sample #2	0.0620	(0.0390)		0.1290	(0.0120)			0.1290	(0.0120)					
Sample #3	0.0580	(0.0670)		0.1470	(0.0130)			0.1470	(0.0130)					
Sample #4	0.0250	(0.0970)		0.1260	(0.0170)			0.1260	(0.0170)					
Avg % Abs	0.0483	(0.0677)		0.1340	(0.0140)			0.1340	(0.0140)					
STD DEV	0.0203	(0.0290)		0.0114	(0.0026)			0.0114	(0.0026)					
REL STD DEV	42.012	(42.866)		8.476	(18.898)			8.476	(18.898)					
Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1												0.040 AC		
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)			% Abs	(% Abs Ref)		lot: 14010			
Sample #1	0.7050	(0.0080)		1.4900	(-0.0160)			1.4900	(-0.0160)		exp: 1/6/16			
Sample #2	0.7070	(0.0220)		1.5070	(-0.0180)			1.5070	(-0.0180)		DR 3846			
Sample #3	0.6970	(0.0370)		1.5200	(-0.0140)			1.5200	(-0.0140)					
Sample #4	0.7180	(0.0240)		1.4890	(0.0090)			1.4890	(0.0090)					
Avg % Abs	0.7073	(0.0277)		1.5053	(-0.0077)			1.5053	(-0.0077)					
STD DEV	0.0105	(0.0081)		0.0156	(0.0146)			0.0156	(0.0146)					
REL STD DEV	1.485	(29.438)		1.034	(190.065)			1.034	(190.065)					
Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1												0.080 AC		
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)			% Abs	(% Abs Ref)		lot: 14170			
Sample #1	1.3590	(-0.0190)		2.8060	(-0.0150)			2.8060	(-0.0150)		exp: 7/14/15			
Sample #2	1.3600	(-0.0360)		2.7990	(-0.0140)			2.7990	(-0.0140)		DR 5131			
Sample #3	1.3400	(-0.0470)		2.8070	(-0.0240)			2.8070	(-0.0240)					
Sample #4	1.3280	(-0.0270)		2.8000	(-0.0220)			2.8000	(-0.0220)					
Avg % Abs	1.3427	(-0.0367)		2.8020	(-0.0200)			2.8020	(-0.0200)					
STD DEV	0.0162	(0.0100)		0.0044	(0.0053)			0.0044	(0.0053)					
REL STD DEV	1.204	(27.318)		0.156	(26.458)			0.156	(26.458)					
Solution = 0.150 g/210L or 0.7143 mg/l, Samples = 4, Discarded = 1												0.150 AC		
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)			% Abs	(% Abs Ref)		lot: 201311F			
Sample #1	2.4590	(0.0020)		5.0190	(0.0040)			5.0190	(0.0040)		exp: 11/26/15			
Sample #2	2.4610	(0.0230)		5.0700	(-0.0020)			5.0700	(-0.0020)		DR 7089			
Sample #3	2.4700	(0.0270)		5.0720	(0.0080)			5.0720	(0.0080)					
Sample #4	2.4720	(0.0360)		5.0740	(0.0290)			5.0740	(0.0290)					
Avg % Abs	2.4677	(0.0287)		5.0720	(0.0117)			5.0720	(0.0117)					
STD DEV	0.0059	(0.0067)		0.0020	(0.0158)			0.0020	(0.0158)					
REL STD DEV	0.237	(23.227)		0.039	(135.617)			0.039	(135.617)					
Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1												0.300		
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)			% Abs	(% Abs Ref)		lot: 14270			
Sample #1	4.8030	(-0.0160)		9.6460	(-0.0440)			9.6460	(-0.0440)		exp: 12/2/16			
Sample #2	4.7990	(0.0170)		9.6500	(0.0070)			9.6500	(0.0070)		DR 7111			
Sample #3	4.7720	(0.0500)		9.6750	(0.0190)			9.6750	(0.0190)					
Sample #4	4.8030	(0.0500)		9.7020	(0.0290)			9.7020	(0.0290)					
Avg % Abs	4.7913	(0.0390)		9.6757	(0.0183)			9.6757	(0.0183)					
STD DEV	0.0169	(0.0191)		0.0260	(0.0110)			0.0260	(0.0110)					
REL STD DEV	0.352	(48.853)		0.269	(60.083)			0.269	(60.083)					

Deb Kashner

TOXL DK

~~DKPD~~

Intoxilyzer - Alcohol Analyzer

Model 8000

SN 80-005938

07/27/2015

14:25:54

DK
13:

Auto Calibration

pg 2 of 2

<<<< 3um >>>>

<<<< 9um >>>>

Zero Order Coef -142.32
First Order Coef 2896.98
Second Order Coef 23.80

-194.63
1392.93
10.71

Act Fit Residual
(g/210L) (g/210L) (g/210L)
0.000 -0.000 0.0000
0.040 0.040 -0.0003
0.080 0.080 0.0004
0.150 0.150 -0.0002
0.300 0.300 0.0000

Act Fit Residual
(g/210L) (g/210L) (g/210L)
0.000 -0.000 0.0002
0.040 0.040 -0.0005
0.080 0.080 0.0004
0.150 0.150 -0.0001
0.300 0.300 0.0000

<<<< 3um >>>>

<<<< 9um >>>>

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

Sample

Sample #1 3564.00
Sample #2 3520.00
Sample #3 3594.00
Sample #4 3555.00
Avg 3556.3333
STD DEV 37.0180
REL STD DEV 1.041
H2O adjust (mg/l*10k) 253

3506.00
3526.00
3508.00
3513.00
3515.6667
9.2916
0.264
294

0.080 AC
lot: 14214080A6
cyl: 51
exp: 07/05/16

Atmospheric Pressure = 942

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

Deb Kashur

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005938
Location = TOXL 8164.13.00 06/09
07/27/2015 16:18

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:19
02 Std. Sol.	0.020	16:20
03 Room Air	0.000	16:20
04 Std. Sol.	0.020	16:21
05 Room Air	0.000	16:21
06 Std. Sol.	0.020	16:22
07 Room Air	0.000	16:23

08 Sim Temp = 34.0°C

Simul Ser No = DR3374

Std Sol No = 14240

County = 08

Oper No. = 777777

Deb Kashur

Operator Signature
DEB KASHUR

Remarks:

Low AC 0.020 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 80-005938
Location = TOXL 8164.13.00 06/09
07/27/2015 16:48

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:49
02 Std. Sol.	0.297	16:50
03 Room Air	0.000	16:50
04 Std. Sol.	0.298	16:51
05 Room Air	0.000	16:51
06 Std. Sol.	0.298	16:52
07 Room Air	0.000	16:53

08 Sim Temp = 34.0°C

Simul Ser No = DR3841

Std Sol No = 201408C

County = 08

Oper No. = 777777

Deb Kashur

Operator Signature
DEB KASHUR

Remarks:

Linearity test 0.300Ac

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 80-005938
Location = TOXL 8164.13.00 06/09
07/28/2015 08:09

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

abcdefghijklmnopqrstuvwxyz1234567890-=_|
ABCDEFGHIJKLMNPNOPQRSTUVWXYZ!@#\$\$%^&*()_+?

abcdefghijklmnopqrstuvwxyz1234567890-=_|
ABCDEFGHIJKLMNPNOPQRSTUVWXYZ!@#\$\$%^&*()_+?

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 #? 29614080A2
Standard Cyl #? 4
Standard Expiration? 12/05/2016
Oper No? 777777

Flow Cal. Date: 07/15/2013
Slope 664
Intercept -578364

IR Calibration Date: 07/27/2015
 3um 9um

0th Coef(*100): -14232 -19463
1st Coef(*100): 289698 139293
2nd Coef(*100): 2380 1071
H2O adj(mg/l*10k): 253 294

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



Operator Signature
DEB KASHUR

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 80-005938
Location = TOXL 8164.13.00 06/09
07/28/2015 08:10

Test	AC	Time
01 Room Air	0.000	08:11
02 *Subject Test	INT*	08:12
03 Room Air	0.000	08:12

*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 = 29614080A2
Cyl No = 4
Expiration Date = 12/05/2016
County = 08 Oper No. = 777777



Operator Signature
DEB KASHUR

Remarks:

Interferent check 0.10AC + 0.05% 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 80-005938
Location = TOXL 8164.13.00 06/09
07/28/2015 08:14

Test	AC	Time
01 Diagnostic	OK	08:15
02 Room Air	RFI*	08:15
03 Room Air	0.000	08:15

*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 = 29614080A2
Cyl No = 4
Expiration Date = 12/05/2016
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 check

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005938
Location = TOXL 8164.13.00 06/09
07/28/2015 08:17

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	08:17
02 Std. Gas	0.079	08:18
03 Room Air	0.000	08:18
04 Std. Gas	0.079	08:19
05 Room Air	0.000	08:19
06 Std. Gas	0.080	08:20
07 Room Air	0.000	08:20

Lot No = 29614080A2
Cyl No = 4
Exp Date = 12/05/2016
County = 08 Oper No. = 777777

Deb Kasher
Operator Signature
DEB KASHUR

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 80-005938
Location = TOXL 8164.13.00 06/09
07/28/2015 08:22

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	08:22
02 Std. Gas	0.081	08:23
03 Room Air	0.000	08:23
04 Std. Gas	0.080	08:23
05 Room Air	0.000	08:24
06 Std. Gas	0.079	08:24
07 Room Air	0.000	08:25

Lot No = 29614080A2
Cyl No = 4
Exp Date = 12/05/2016
County = 08 Oper No. = 777777

Deb Kasher
Operator Signature
DEB KASHUR

Remarks:

Calibration check 0.080 AC

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005938
Location = TOXL 8164.13.00 06/09
07/28/2015 08:26

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	08:26
02 Std. Gas	0.080	08:27
03 Room Air	0.000	08:27
04 Std. Gas	0.080	08:28
05 Room Air	0.000	08:28
06 Std. Gas	0.080	08:28
07 Room Air	0.000	08:29

Lot No = 29614080A2
Cyl No = 4
Exp Date = 12/05/2016
County = 08 Oper No. = 777777

Deb Kashur
Operator Signature
DEB KASHUR

Remarks:

Calibration check 0.080 AC