

INTOXILYZER® 8000 REPAIR AND MAINTENANCE

Intoxilyzer® 8000 Serial Number: 80-005938 Location: TOXL

1. Reported Issue:

COMMUNICATION ISSUE WITH INSTRUMENT OUT IN FIELD AT AGENCY. COULD NOT FINISH OPERATOR UPLOAD DATA FILE.

2. Found/Determined:

PERFORMED HARD RESET OF INSTRUMENT. COMMUNICATIONS WORKED. DISCOVERED INSTRUMENT LOCKING UP INTERMITTENTLY. OBSERVED BREATH HOSE TEMP FLUCTUATING BETWEEN 37°C & 45°C. THEN INSTRUMENT WOULD LOCK UP. NO COMMUNICATIONS AFTER LOCKUP.

3. Repair/Maintenance Performed:

REPLACED BREATH HOSE. INSTRUMENT NO LONGER LOCKING UP. BREATH HOSE TEMPERATURE REMAINS CONSTANT.

REPLACED EXTERNAL BATTERY.

4. Check and reset if needed; time, date, and location. (Level 2, E)

5. Tank monitor display and regulator within 50 psi. (Level 3, D, G)
Display: 248 psi Regulator: 250 psi
 If needed, completed tare of tank sensor. (Level 3, M, C, G)

6. Does the flow need to be calibrated? Yes or No
If Yes, attach paperwork.

7. Does the optical bench need a calibration adjustment? Yes or No
If Yes, attach test records.

8. Does the instrument require further testing? Yes or No
If No, sign and date at end of form.
If Yes, state testing required or: Perform all tests for repair.

REMAINDER OF TESTS WILL BE PERFORMED TO DO CEE DEMONSTRATE INSTRUMENT IS FUNCTIONING PROPERLY.

Configure simulator(s) for the following tests: (Level 1, S) Attach test records

9. Wet Calibration Check: (ACA Test)

Low AC (Level 1, C): Known value \leq 0.03 AC. 0.030 AC
Sim SN: MP5289 Lot #: 20191E Exp. Date: 11.19.21

High AC (Level 1, C): Known value \geq 0.25 AC. 0.400 AC
Sim SN: MP3062 Lot #: 202103E Exp. Date: 3.24.23

Wet Calibration Check results are within \pm 0.005 or \pm 5% (whichever is greater) of stated AC value.

Configure dry gas standard for the following tests: (Level 1, S) Attach test records.

10. Print test. (Level 1, P)

11. Interferent Check. 0.10 AC ethanol plus 0.05% Acetone. (Level 1, B)
Sim SN: PR3847 Lot #: FCS6 Display reads "Interferent Detect"

12. RFI Check. (CMS mode) Display reads "RFI Detect"

13. Dry Calibration Check/Stability Test (Level 3, T, S, D, 15)

Known: 0.080 AC Ethanol Gas Standard.
Lot No. 02621080A1 Cylinder No. 25 Expiration Date 3.5.23

Average AC: 0.0803 Std. Dev. 0.0006 Rel. Std. Dev. 0.77%

Remarks/Notes:

Instrument is acceptable to be used in the field.

Charles E. Ed
Breath Analyst Signature

4.19.21
Date

Kari L. Diet
Reviewed by

4-19-21
Date

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

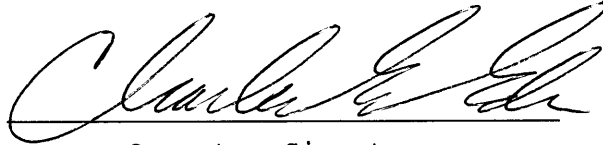
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005938
Location = TOXL 8164.14.00 09/16
04/19/2021 15:59

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	15:59
02 Std. Sol.	0.027	16:00
03 Room Air	0.000	16:00
04 Std. Sol.	0.028	16:01
05 Room Air	0.000	16:02
06 Std. Sol.	0.028	16:02
07 Room Air	0.000	16:03

08 Sim Temp = 34.0°C

Simul Ser No = MP5289
Std Sol No = 201911E
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks: *Low AC*
0.030 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 8164.14.00 09/16
04/19/2021 16:04

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:05
02 Std. Sol.	0.401	16:06
03 Room Air	0.000	16:06
04 Std. Sol.	0.403	16:07
05 Room Air	0.000	16:07
06 Std. Sol.	0.403	16:08
07 Room Air	0.000	16:09

08 Sim Temp = 34.0°C

Simul Ser No = MP3062
Std Sol No = 202103E
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks: HIGH AC
 0.400 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 8164.14.00 09/16
04/19/2021 16:10

***** 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 #? 02621080A1
Standard Cyl #? 25
Standard Expiration? 03/05/2023
Oper No? 666666

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
CHARLES EDER

Remarks:

PRINT TEST

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 8164.14.00 09/16
04/19/2021 16:12

Test	AC	Time
01 Room Air	0.000	16:13
02 *Subject Test	INT*	16:13
03 Room Air	0.000	16:14

*Invalid Test
Interferent Detected

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 02/01/1992
Sub Sex = Female Weight = 150
Test = DUI Cit = INTREFERENT
Dr. Lic. = ND/DIS921456
Lot No = 02621080A1
Cyl No = 25
Expiration Date = 03/05/2023
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks:

Interferent Check
0.10 AC + 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 8164.14.00 09/16
04/19/2021 16:14

Test	AC	Time
01 Diagnostic	OK	16:15
02 Room Air	0.000	16:16
03 *Subject Test	RFI*	16:16
04 Room Air	0.000	16:16

*Invalid Test
Inhibited - RFI

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 02/01/1992
Sub Sex = Female Weight = 150
Test = DUI Cit = RFI CHECK
Dr. Lic. = ND/DIS921456
Lot No = 02621080A1
Cyl No = 25
Expiration Date = 03/05/2023
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:

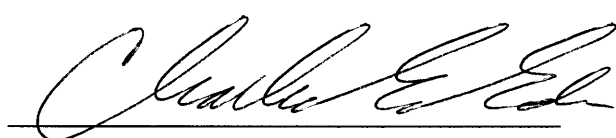
RFI CHECK

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 8164.14.00 09/16
04/19/2021 16:17

Test	AC	Time
01 Room Air	0.000	16:18
02 Std. Gas	0.079	16:18
03 Room Air	0.000	16:19
04 Std. Gas	0.080	16:19
05 Room Air	0.000	16:19
06 Std. Gas	0.081	16:20
07 Room Air	0.000	16:20
08 Std. Gas	0.080	16:21
09 Room Air	0.000	16:21
10 Std. Gas	0.080	16:22
11 Room Air	0.000	16:22
12 Std. Gas	0.080	16:22
13 Room Air	0.000	16:23
14 Std. Gas	0.081	16:23
15 Room Air	0.000	16:24
16 Std. Gas	0.081	16:24
17 Room Air	0.000	16:25
18 Std. Gas	0.080	16:25
19 Room Air	0.000	16:26
20 Std. Gas	0.080	16:26
21 Room Air	0.000	16:26
22 Std. Gas	0.081	16:27
23 Room Air	0.000	16:27
24 Std. Gas	0.081	16:28
25 Room Air	0.000	16:28
26 Std. Gas	0.080	16:29
27 Room Air	0.000	16:29
28 Std. Gas	0.080	16:30
29 Room Air	0.000	16:30
30 Std. Gas	0.081	16:30
31 Room Air	0.000	16:31
32 Cal Check Stats:		
33 Average	0.0803	
34 Std Dev	0.0006	
35 Rel Std Dev	0.77%	



Operator Signature
CHARLES EDER

Remarks: CALIBRATION CHECK / STABILITY TEST
0.080 AC LOT: 02621080A1 EXP: 3-5-23
CYL: 25

Form 106-I8000