

INTOXILYZER® 8000 REPAIR AND MAINTENANCE

Intoxilyzer® 8000 Serial Number: 80-006490 Location: TOXL

1. Reported Issue:
DIAGNOSTICS FAILS WITH INTERNAL PRINTER.

2. Found/Determined:
DIAGNOSTIC FAILS WITH INTERNAL PRINTER. INTERNAL PRINTER STILL PRINTS. INSTRUMENT PASSES DIAGNOSTICS WITH EXTERNAL PRINTER ATTACHED.

3. Repair/Maintenance Performed:
REPLACED PRINT HEAD AND PRINTER BOARD. INSTRUMENT PASSES DIAGNOSTICS WITH INTERNAL PRINTER AND EXTERNAL PRINTER.

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: 329 psi Regulator: 350 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.

INSTRUMENT WAS OPENED UP FOR REPAIR.

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. 0.020 AC
Sim SN: MP3065 Lot #: 19050 Exp. Date: 2.4.21

High AC (Level 1, C): Known value \geq 0.25 AC. 0.250 AC
Sim SN: MP35290 Lot #: 201911B Exp. Date: 11.5.21
CEE

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) INTERNAL PRINT TEST AND EXTERNAL PRINT TEST.
CEE 7.29.20

11. Interferent Check. 0.10 AC ethanol plus 0.05% Acetone. (Level 1, B)
Sim SN: DR3451 Lot #: ICS 6 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. 34418080A2 Cylinder No. 7 Expiration Date 2.5.21

Average AC: 0.0811 Std. Dev. 0.0004 Rel. Std. Dev. 0.44%

Remarks/Notes:

AN INITIAL INSPECTION WILL ALSO BE PERFORMED DUE TO OPENING UP THE INSTRUMENT DURING THE REPAIR.

Instrument is acceptable to be used in the field.

Charles E. Ehr
Breath Analyst Signature

7/30/20
Date

NA
Reviewed by

NA
Date

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-006490
Location = TOXL 8164.14.00 09/16
07/29/2020 16:28

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:29
02 Std. Sol.	0.019	16:29
03 Room Air	0.000	16:30
04 Std. Sol.	0.019	16:31
05 Room Air	0.000	16:31
06 Std. Sol.	0.019	16:32
07 Room Air	0.000	16:33

08 Sim Temp = 34.0°C

Simul Ser No = MP3065

Std Sol No = 19050

County = 08

Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks:

Low AC
0.020 AC

Form 106-I8000

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

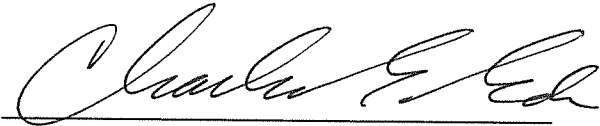
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-006490
Location = TOXL 8164.14.00 09/16
07/29/2020 16:35

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:35
02 Std. Sol.	0.244	16:36
03 Room Air	0.000	16:37
04 Std. Sol.	0.245	16:38
05 Room Air	0.000	16:38
06 Std. Sol.	0.245	16:39
07 Room Air	0.000	16:40

08 Sim Temp = 34.0°C

Simul Ser No = MP5290
Std Sol No = 201911B
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks: HIGH AC
 0.250 AC

Form 106-I8000

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-006490
Location = TOXL 8164.14.00 09/16
07/29/2020 16:06

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

12 char/line
abcdefghijkl
ABCDEFGHIJKL

16 char per line
abcdefghijklmnop
ABCDEFGHIJKLMN

21 chars per line
abcdefghijklmnopqrstu
ABCDEFGHIJKLMN

24 characters per line
abcdefghijklmnopqrstuwx
ABCDEFGHIJKLMN

32 characters per line
abcdefghijklmnopqrstuwxz123456
ABCDEFGHIJKLMN

42 characters per line
abcdefghijklmnopqrstuwxz1234567890abcdef
ABCDEFGHIJKLMN

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 #? 24119080A1
Standard Cyl #? 9
Standard Expiration? 11/05/2021
Oper No? 666666

Flow Cal. Date: 08/18/2015
Slope: 675
Intercept: -635799

IR Calibration Date: 08/18/2015

	3um	9um
0th Coef(*100):	-18073	-15729
1st Coef(*100):	265337	133887
2nd Coef(*100):	3965	1560
H2O adj(mg/l*10K):	767	457

***** Test End *****



Operator Signature
CHARLES EDER

Remarks: *INTERNAL
PRINT TEST*

Form 106-I8000

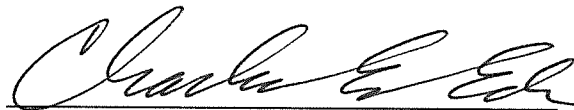
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-006490
Location = TOXL 8164.14.00 09/16
07/29/2020 16:43

Test	AC	Time
01 Room Air	0.000	16:44
02 *Subject Test	INT*	16:44
03 Room Air	0.000	16:45

*Invalid Test
Interferent Detected

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 02/01/1992
Sub Sex = Female Weight = 150
Test = DUI Cit = INTERFERENT
Dr. Lic. = ND/DIS921456
Lot No = 34418080A2
Cyl No = 7
Expiration Date = 02/05/2021
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks:

Interferent Check
0.10AC + 0.05% ACETONE

Form 106-I8000

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

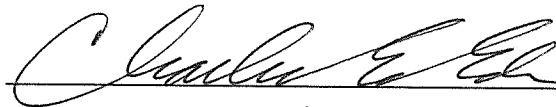
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-006490
Location = TOXL 8164.14.00 09/16
07/29/2020 16:45

Test	AC	Time
01 Diagnostic	OK	16:46
02 Room Air	0.000	16:47
03 *Subject Test	RFI*	16:47
04 Room Air	0.000	16:47

*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 = 34418080A2
Cyl No = 7
Expiration Date = 02/05/2021
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 80-006490
Location = TOXL 8164.14.00 09/16
07/29/2020 16:52

Test	AC	Time
01 Room Air	0.000	16:52
02 Std. Gas	0.081	16:53
03 Room Air	0.000	16:53
04 Std. Gas	0.081	16:54
05 Room Air	0.000	16:54
06 Std. Gas	0.082	16:55
07 Room Air	0.000	16:55
08 Std. Gas	0.081	16:56
09 Room Air	0.000	16:56
10 Std. Gas	0.081	16:57
11 Room Air	0.000	16:57
12 Std. Gas	0.081	16:58
13 Room Air	0.000	16:58
14 Std. Gas	0.081	16:58
15 Room Air	0.000	16:59
16 Std. Gas	0.081	16:59
17 Room Air	0.000	17:00
18 Std. Gas	0.081	17:00
19 Room Air	0.000	17:01
20 Std. Gas	0.081	17:01
21 Room Air	0.000	17:02
22 Std. Gas	0.081	17:02
23 Room Air	0.000	17:03
24 Std. Gas	0.081	17:03
25 Room Air	0.000	17:04
26 Std. Gas	0.082	17:04
27 Room Air	0.000	17:05
28 Std. Gas	0.081	17:05
29 Room Air	0.000	17:06
30 Std. Gas	0.081	17:06
31 Room Air	0.000	17:07
32 Cal Check Stats:		
33 Average	0.0811	
34 Std Dev	0.0004	
35 Rel Std Dev	0.44%	



Operator Signature
CHARLES EDER

Remarks: CALIBRATION CHECK / STABILITY TEST
0.080 AC

Form 106-I8000