

INTOXILYZER® 8000 REPAIR AND MAINTENANCE

Intoxilyzer® 8000 Serial Number: 80-007096 Location: TOXL

1. Reported Issue:
6/19/20 - INTERNAL PRINTER BROKEN

2. Found/Determined:
INTERNAL PRINTER BROKEN. PRINT ROLLER & PRINT HEAD MISSING. 6/19/20
NOTE: WILL NOT PASS DIAGNOSTICS WITHOUT EXTERNAL PRINTER CONNECTED.

3. Repair/Maintenance Performed:
7/24 - REPLACED INTERNAL PRINTER ASSEMBLY, CONFIRMED PRINTING CAPABILITY FROM INTERNAL PRINTER. SEE ATTACHED PRINTOUT.
DIAGNOSTICS PASS FOR INTERNAL 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: 641 psi Regulator: 650 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.

NOTE: AN INITIAL INSPECTION WILL BE PERFORMED ALSO DUE TO OPENING UP INSTRUMENT.

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 ≤ 0.03 AC. 0.020 AC
Sim SN: MP3065 Lot #: 19050 CEE Exp. Date: 2.4.21
19050

High AC (Level 1, C): Known value ≥ 0.25 AC. 0.250 AC
Sim SN: MP5290 Lot #: 201911 B Exp. Date: 11.5.21

Wet Calibration Check results are within ± 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: DR3451 Lot #: ICS6 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. 3441808042 Cylinder No. 7 Expiration Date 2.5.21

Average AC: 0.0795 Std. Dev. 0.0005 Rel. Std. Dev. 0.65%

Remarks/Notes:

Instrument is acceptable to be used in the field.

Charles E. Ed
Breath Analyst Signature

7/27/20
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 80-007096
Location = TOXL 8164.16.00 09/18
07/24/2020 16:11

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

12 char/line
abcdefghijkl
ABCDEFGHIJKL

16 char per line
abcdefghijklmnop
ABCDEFGHIJKLMNQP

21 chars per line
abcdefghijklmnopqrstu
ABCDEFGHIJKLMNQPQRSTU

24 characters per line
abcdefghijklmnopqrstuvw
ABCDEFGHIJKLMNQPQRSTUVW

32 characters per line
abcdefghijklmnopqrstvwxyz123456
ABCDEFGHIJKLMNQPQRSTUVWXYZ123456

42 characters per line
abcdefghijklmnopqrstvwxyz1234567890abcdef
ABCDEFGHIJKLMNQPQRSTUVWXYZ1234567890ABCDEF

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 #? 05620080A1
Standard Cyl #? 34
Standard Expiration? 04/05/2022
Oper No? 666666

Flow Cal. Date: 10/02/2018
Slope 695
Intercept -692605

IR Calibration Date: 10/02/2018

	3um	9um
0th Coef(*100):	-33544	-18475
1st Coef(*100):	261464	138054
2nd Coef(*100):	3020	1612
H2O adj(ng/l*10k):	573	386

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



Operator Signature
CHARLES EDER

Remarks: INTERNAL
PRINT TEST

Form 106-18000

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-007096
Location = TOXL 8164.16.00 09/18
07/27/2020 09:38

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	09:38
02 Std. Sol.	0.019	09:39
03 Room Air	0.000	09:40
04 Std. Sol.	0.019	09:40
05 Room Air	0.000	09:41
06 Std. Sol.	0.019	09:42
07 Room Air	0.000	09:42

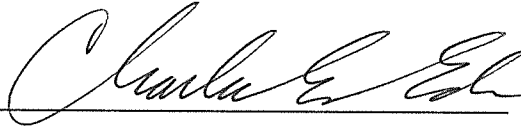
08 Sim Temp = 34.0°C

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 80-007096
Location = TOXL 8164.16.00 09/18
07/27/2020 09:45

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	09:45
02 Std. Sol.	0.248	09:46
03 Room Air	0.000	09:47
04 Std. Sol.	0.248	09:47
05 Room Air	0.000	09:48
06 Std. Sol.	0.247	09:49
07 Room Air	0.000	09:49

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
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-007096
Location = TOXL 8164.16.00 09/18
07/27/2020 09:52

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

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

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

Current Instrument Setup

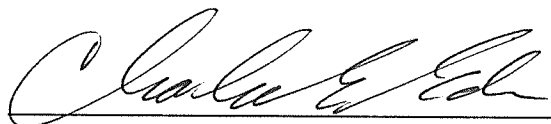
Data Entry Mode: Enabled
Start Test Sequence: DABACABA
Display Prelim Rslt? Yes
Display Third Digit? Yes
Inhib Printer(Y/N)? No
Display Volume? No
Disable On Memfull? Yes
of Print Copies? 1
Select Std (D/W/I)? Dry
Standard Value? 0.080
Standard Lot #? 34418080A2
Standard Cyl #? 7
Standard Expiration? 02/05/2021
Oper No? 666666

Flow Cal. Date: 10/02/2018
Slope 695
Intercept -692605

IR Calibration Date: 10/02/2018
 3um 9um

0th Coef(*100): -33544 -18475
1st Coef(*100): 261464 138054
2nd Coef(*100): 3020 1612
H2O adj(mg/l*10k): 573 386

***** 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 80-007096
Location = TOXL 8164.16.00 09/18
07/27/2020 09:53

Test	AC	Time
01 Room Air	0.000	09:53
02 *Subject Test	INT*	09:54
03 Room Air	0.000	09:54

*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
0.10 AC + 0.05% ACETONE

Form 106-I8000

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

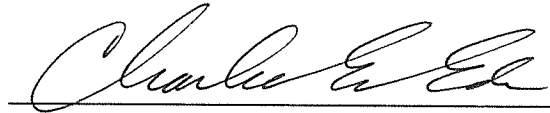
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-007096
Location = TOXL 8164.16.00 09/18
07/27/2020 09:56

Test	AC	Time
01 Diagnostic	OK	09:56
02 Room Air	0.000	09:57
03 *Subject Test	RFI*	09:57
04 Room Air	0.000	09:57

*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 80-007096
Location = TOXL 8164.16.00 09/18
07/27/2020 09:59

Test	AC	Time
01 Room Air	0.000	09:59
02 Std. Gas	0.080	10:00
03 Room Air	0.000	10:00
04 Std. Gas	0.080	10:00
05 Room Air	0.000	10:01
06 Std. Gas	0.080	10:01
07 Room Air	0.000	10:02
08 Std. Gas	0.079	10:02
09 Room Air	0.000	10:03
10 Std. Gas	0.079	10:03
11 Room Air	0.000	10:04
12 Std. Gas	0.079	10:04
13 Room Air	0.000	10:04
14 Std. Gas	0.080	10:05
15 Room Air	0.000	10:05
16 Std. Gas	0.079	10:06
17 Room Air	0.000	10:06
18 Std. Gas	0.079	10:07
19 Room Air	0.000	10:07
20 Std. Gas	0.080	10:07
21 Room Air	0.000	10:08
22 Std. Gas	0.080	10:08
23 Room Air	0.000	10:09
24 Std. Gas	0.080	10:09
25 Room Air	0.000	10:10
26 Std. Gas	0.079	10:10
27 Room Air	0.000	10:11
28 Std. Gas	0.079	10:11
29 Room Air	0.000	10:11
30 Std. Gas	0.079	10:12
31 Room Air	0.000	10:12
32 Cal Check Stats:		
33 Average	0.0795	
34 Std Dev	0.0005	
35 Rel Std Dev	0.65%	



Operator Signature
CHARLES EDER

Remarks: 0.080 AC
CALIBRATION CHECK/STABILITY TEST