

INTOXILYZER® 8000 REPAIR AND MAINTENANCE

Intoxilyzer® 8000 Serial Number: 80-006682 Location: TOXL

1. Reported Issue:

EEPROM ERROR #016, DISABLED MODE,

2. Found/Determined:

EEPROM ERROR #016, NO OPERATOR.DAT FILE LOADED,
INTERNAL PRINTER'S PRINT HEAD BAD.

3. Repair/Maintenance Performed:

LOADED OPERATOR.DAT FILE AFTER INSTRUMENT RESET,
EEPROM ERROR #016 CLEARED AFTER LOADING
OPERATOR.DAT FILE. REPLACED PRINT HEAD ON INSTRUMENT.
INTERNAL PRINTER FUNCTIONING PROPERLY. DIAGNOSTICS PASS.

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: 25 psi Regulator: 50 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.

ALSO, AN INITIAL INSPECTION WILL BE
PERFORMED DUE TO OPENING UP INSTRUMENT 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. 0.030 AC
Sim SN: MP3059 Lot #: 202201B Exp. Date: 1.11.24

High AC (Level 1, C): Known value \geq 0.25 AC. 0.400 AC
Sim SN: MP5320 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: DR3847 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. 02621080A1 Cylinder No. 4 Expiration Date 3.5.23

Average AC: 0.0807 Std. Dev. 0.0005 Rel. Std. Dev. 0.61%

Remarks/Notes:

Instrument is acceptable to be used in the field.


Breath Analyst Signature

NA

Reviewed by

3/30/22
Date

NA

Date

Intoxilyzer Test Record and
NDDAG Crime Lab. Div., Bismar

CMI, Inc. Intoxilyzer Alk
North Dakota Model 8000
Location = TOXL 818
03/29/2022

***** Printer Test

12 char/line:
abcdefghijkl:
ABCDEFGHIJ:

16 char per
abcdefghijkl
ABCDEFGHIJK

21 chars per
abcdefghijklmno
ABCDEFGHIJKLMNO

24 characters per
abcdefghijklmnop
ABCDEFGHIJKLMNO

32 characters per
abcdefghijklmnopqrstu
ABCDEFGHIJKLMNQRSTU

42 characters per line
abcdefghijklmnopqrstuvwxy
ABCDEFGHIJKLMNQRSTUWXYZ

Current Instrument Setup
Data Entry Mode: Enrt
Start Test Sequence: DABF
Display Prelim Rslt? Yes
Display Third Digit? Yes
Inhib Printer(Y/N)? No
Display Volume? No
Disable On Menfull? Yes
of Print Copies? 1
Select Std (D/W/I)? Dry
Standard Value? 0.08
Standard Lot #? 2601
Standard Cyl #? 12
Standard Expiration? 10/1
Oper No? 6666

Flow Cal. Date: 09/1
Slope 701
Intercept -706

IR Calibration Date: 09/1
3um

0th Coef(*100): -17150
1st Coef(*100): 271726
2nd Coef(*100): 831
H2O adj.(mg/l*10K): 393

***** Test End >

Operator Signal
CHUCK EDER

Remarks:

Form 106-1801

BAD PRINT HEAD
Charles Eder

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

CMI, Inc. Intoxilyzer Alconol Analyzer
North Dakota Model 8000 SN 80-006682
Location = TOXL 8164.14.00 09/16
03/29/2022 14:56

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

12 char/line
abcdefghijkl
ABCDEFGHIJKL

16 char per line
abcdefghijklmnop
ABCDEFGHIJKLMNPO

21 chars per line
abcdefghijklmnopqrstu
ABCDEFGHIJKLMNOPQRSTU

24 characters per line
abcdefghijklmnopqrstuwx
ABCDEFGHIJKLMNOPQRSTUWX

32 characters per line
abcdefghijklmnopqrstuwx123456
ABCDEFGHIJKLMNOPQRSTUWXYZ123456

42 characters per line
abcdefghijklmnopqrstuwx1234567890abcdef
ABCDEFGHIJKLMNOPQRSTUWXYZ1234567890ABCDEF

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 Menful? Yes
of Print Copies? 1
Select Std (D/W/I)? Dry
Standard Value? 0.080
Standard Lot #? 26021080A1
Standard Cyl #? 12
Standard Expiration? 10/05/2023
Oper No? 666666

Flow Cal. Date: 09/06/2016
Slope 701
Intercept -706193

IR Calibration Date: 09/06/2016
3um 9um

0th Coef(*100): -17150 -23247

1st Coef(*100): 271726 134617

2nd Coef(*100): 831 1215

H2O adj(ng/l*10K): 393 518

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

Operator Signature
CHUCK EDER

Remarks:

Form 106-I8000

NEW PRINT HEAD
Chuck Eder

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

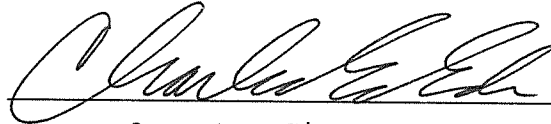
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-006682
Location = TOXL 8164.14.00 09/16
03/30/2022 08:57

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	08:58
02 Std. Sol.	0.028	08:59
03 Room Air	0.000	08:59
04 Std. Sol.	0.029	09:00
05 Room Air	0.000	09:01
06 Std. Sol.	0.029	09:01
07 Room Air	0.000	09:02

08 Sim Temp = 34.0°C

Simul Ser No = MP3059
Std Sol No = 202201B
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 80-006682
Location = TOXL 8164.14.00 09/16
03/30/2022 09:12

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	09:13
02 Std. Sol.	0.399	09:14
03 Room Air	0.000	09:14
04 Std. Sol.	0.399	09:15
05 Room Air	0.000	09:16
06 Std. Sol.	0.399	09:16
07 Room Air	0.000	09:17


08 Sim Temp = 34.0°C

Simul Ser No = MP5320

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 80-006682
Location = TOXL 8164.14.00 09/16
03/30/2022 09:21

***** 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 #? 02621080A1
Standard Cyl #? 4
Standard Expiration? 03/05/2023
Oper No? 666666

Flow Cal. Date: 09/06/2016
Slope 701
Intercept -706193

IR Calibration Date: 09/06/2016
 3um 9um

0th Coef(*100): -17150 -23247
1st Coef(*100): 271726 134617
2nd Coef(*100): 831 1215
H2O adj(mg/l*10k): 393 518

***** 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 80-006682
Location = TOXL 8164.14.00 09/16
03/30/2022 09:21

Test	AC	Time
01 Room Air	0.000	09:22
02 *Subject Test	INT*	09:22
03 Room Air	0.000	09:23

*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 = 02621080A1
Cyl No = 4
Expiration Date = 03/05/2023
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 80-006682
Location = TOXL 8164.14.00 09/16
03/30/2022 09:23

Test	AC	Time
01 Diagnostic	OK	09:24
02 Room Air	0.000	09:24
03 *Subject Test	RFI*	09:24
04 Room Air	0.000	09:25

*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 = 4
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 80-006682
Location = TOXL 8164.14.00 09/16
03/30/2022 09:25

Test	AC	Time
01 Room Air	0.000	09:26
02 Std. Gas	0.081	09:26
03 Room Air	0.000	09:27
04 Std. Gas	0.080	09:27
05 Room Air	0.000	09:27
06 Std. Gas	0.080	09:28
07 Room Air	0.000	09:28
08 Std. Gas	0.081	09:29
09 Room Air	0.000	09:29
10 Std. Gas	0.081	09:30
11 Room Air	0.000	09:30
12 Std. Gas	0.081	09:30
13 Room Air	0.000	09:31
14 Std. Gas	0.081	09:31
15 Room Air	0.000	09:32
16 Std. Gas	0.080	09:32
17 Room Air	0.000	09:33
18 Std. Gas	0.080	09:33
19 Room Air	0.000	09:34
20 Std. Gas	0.081	09:34
21 Room Air	0.000	09:34
22 Std. Gas	0.081	09:35
23 Room Air	0.000	09:35
24 Std. Gas	0.080	09:36
25 Room Air	0.000	09:36
26 Std. Gas	0.081	09:37
27 Room Air	0.000	09:37
28 Std. Gas	0.081	09:37
29 Room Air	0.000	09:38
30 Std. Gas	0.081	09:38
31 Room Air	0.000	09:39
32 Cal Check Stats:		
33 Average	0.0807	
34 Std Dev	0.0005	
35 Rel Std Dev	0.61%	



Operator Signature
CHARLES EDER

Remarks: CALIBRATION CHECK / STABILITY TEST

0.080 AC