

**INTOXILYZER® 8000 REPAIR AND MAINTENANCE**

Intoxilyzer® 8000 Serial Number: 80-004954 Location: TOXL

1. Reported Issue:  
INSTRUMENT DISPLAYING VOLTAGE AND RAM ERRORS (FAIL)  
ON DIAGNOSTIC TESTS. WOULD NOT PASS DIAGNOSTICS.
  
2. Found/Determined:  
INSTRUMENT WOULD NOT POWER-ON PROPERLY, EXTERNAL  
BATTERY BAD. EXTERNAL BATTERY CAUSING VOLTAGE AND  
RAM ISSUES.
  
3. Repair/Maintenance Performed: CEE 5/24 & 5/25  
REPLACED EXTERNAL BATTERY. INSTRUMENT POWERS-ON  
PROPERLY AND PASSES DIAGNOSTICS. PERFORMED MULTIPLE  
DIAGNOSTIC TESTS AND ALL PASSED. RAN MULTIPLE  
ACA TESTS WITH NO ISSUES.  
CEE 6/7/21 CLEARED INSTRUMENT DATA.
  
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: 64 psi      Regulator: 75 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.  
DIAGNOSTIC TEST WILL BE ADDED.

NOTE: AN ANNUAL INSPECTION WILL ALSO BE  
PERFORMED.

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. 0.010 AC  
Sim SN: MP3070 Lot #: 201906A Exp. Date: 6.11.21

High AC (Level 1, C): Known value  $\geq$  0.25 AC. 0.500 AC  
Sim SN: MP3061 Lot #: 20101 Exp. Date: 2.13.22

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 #: ICSG  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. 2419080A1 Cylinder No. 31 Expiration Date 11/5/21

Average AC: 0.0809 Std. Dev. 0.0005 Rel. Std. Dev. 0.57%

Remarks/Notes:

---

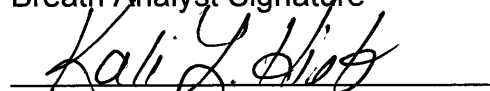
---

---

Instrument is acceptable to be used in the field.

  
Breath Analyst Signature

6/7/21  
Date

  
Reviewed by

6-7-21  
Date

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

CMI, Inc. Intoxilyzer            Alcohol Analyzer  
North Dakota Model 8000        SN 80-004954  
Location = TOXL                    8164.14.00 09/16  
06/07/2021                            14:33

DIAGNOSTIC

Voltage/Current Test	Pass
RAM Test	Pass
EEPROM Checksum Test	Pass
Real Time Clock Test	Pass
DSP Test	Pass
Analytical Stability Test	Pass
Modem Test	Pass
Temp Regulation Test	Pass

Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks: *DIAGNOSTIC*

Form 106-I8000

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

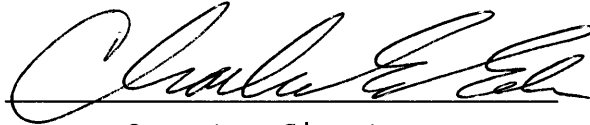
CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-004954  
Location = TOXL      8164.14.00 09/16  
06/07/2021      14:36

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:36
02 Std. Sol.	0.009	14:37
03 Room Air	0.000	14:38
04 Std. Sol.	0.009	14:38
05 Room Air	0.000	14:39
06 Std. Sol.	0.009	14:40
07 Room Air	0.000	14:40

08 Sim Temp = 34.0°C

Simul Ser No = MP3070  
Std Sol No = 201906A  
County = 08      Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks: *Low AC*  
*0.010 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 80-004954  
Location = TOXL      8164.14.00 09/16  
06/07/2021      14:52

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:52
02 Std. Sol.	0.491	14:53
03 Room Air	0.000	14:54
04 Std. Sol.	0.492	14:54
05 Room Air	0.000	14:55
06 Std. Sol.	0.491	14:56
07 Room Air	0.000	14:56

08 Sim Temp = 34.0°C

Simul Ser No = MP3061  
Std Sol No = 20101  
County = 08      Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks:

HIGH AC  
0.500 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 80-004954  
Location = TOXL                 8164.14.00 09/16  
06/07/2021                        14:59

\*\*\*\*\* Printer Test \*\*\*\*\*

abcdefghijklmnopqrstuvwxy1234567890-|=|  
ABCDEFGHIJKLMNPOQRSTUVWXYZ!@#%^&\*()\_+?

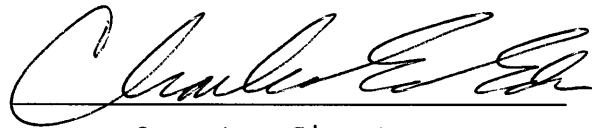
abcdefghijklmnopqrstuvwxy1234567890-|=|  
ABCDEFGHIJKLMNPOQRSTUVWXYZ!@#%^&\*()\_+?

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 #?                 24119080A1  
Standard Cyl #?                 31  
Standard Expiration?            11/05/2021  
Oper No?                        666666

Flow Cal. Date:                 08/27/2012  
Slope                            670  
Intercept                        -570610

IR Calibration Date:            05/31/2017  
                                    3um                            9um  
-----  
0th Coef(\*100):                -18765                        -20238  
1st Coef(\*100):                256075                        130805  
2nd Coef(\*100):                2112                            1219  
H2O adj(mg/l\*10k):            442                            407

\*\*\*\*\* 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 80-004954  
Location = TOXL                    8164.14.00 09/16  
06/07/2021                            15:00

Test	AC	Time
01 Room Air	0.000	15:01
02 *Subject Test	INT*	15:02
03 Room Air	0.000	15:02

\*Invalid Test  
Interferent Detected

Sub Name = TEST, DONOR2 NONE  
Sub DOB = 07/25/1998  
Sub Sex = Male                      Weight = NA  
Test = DUI                            Cit = INTERFERENT  
Dr. Lic. = ND/TES989643  
Lot No = 24119080A1  
Cyl No = 31  
Expiration Date = 11/05/2021  
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

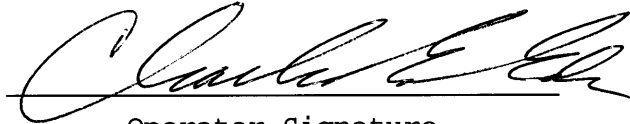
CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-004954  
Location = TOXL      8164.14.00 09/16  
06/07/2021      15:03

Test	AC	Time
01 Diagnostic	OK	15:04
02 Room Air	0.000	15:04
03 *Subject Test	RFI*	15:04
04 Room Air	0.000	15:05

\*Invalid Test  
Inhibited - RFI

Sub Name = TEST, DONOR2 NONE  
Sub DOB = 07/25/1998  
Sub Sex = Male      Weight = NA  
Test = DUI      Cit = RFI CHECK  
Dr. Lic. = ND/TES989643  
Lot No = 24119080A1  
Cyl No = 31  
Expiration Date = 11/05/2021  
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:



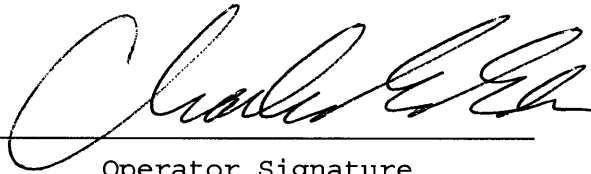
Form 106-I8000



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

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-004954  
Location = TOXL      8164.14.00 09/16  
06/07/2021      15:07

Test	AC	Time
01 Room Air	0.000	15:08
02 Std. Gas	0.080	15:08
03 Room Air	0.000	15:09
04 Std. Gas	0.081	15:09
05 Room Air	0.000	15:10
06 Std. Gas	0.081	15:10
07 Room Air	0.000	15:10
08 Std. Gas	0.081	15:11
09 Room Air	0.000	15:11
10 Std. Gas	0.081	15:12
11 Room Air	0.000	15:12
12 Std. Gas	0.081	15:13
13 Room Air	0.000	15:13
14 Std. Gas	0.080	15:13
15 Room Air	0.000	15:14
16 Std. Gas	0.081	15:14
17 Room Air	0.000	15:15
18 Std. Gas	0.081	15:15
19 Room Air	0.000	15:16
20 Std. Gas	0.081	15:16
21 Room Air	0.000	15:16
22 Std. Gas	0.081	15:17
23 Room Air	0.000	15:17
24 Std. Gas	0.081	15:18
25 Room Air	0.000	15:18
26 Std. Gas	0.081	15:19
27 Room Air	0.000	15:19
28 Std. Gas	0.082	15:19
29 Room Air	0.000	15:20
30 Std. Gas	0.081	15:20
31 Room Air	0.000	15:21
32 Cal Check Stats:		
33 Average	0.0809	
34 Std Dev	0.0005	
35 Rel Std Dev	0.57%	



Operator Signature  
CHARLES EDER

Remarks:

CALIBRATION CHECK/  
STABILITY TEST  
0.080 AC

Form 106-I8000