

INTOXILYZER® 8000 REPAIR AND MAINTENANCE

Intoxilyzer® 8000 Serial Number: 80-005939 Location: TOXL

1. Reported Issue:  
ISSUE WITH EXTERNAL BATTERY<sup>CEE</sup> - BATTERY STATUS  
WOULD NOT DISPLAY ON SCREEN
2. Found/Determined:  
BATTERY PACK ASSEMBLY, WHICH CONTAINS A SMALL CIRCUIT  
BOARD, WAS BAD.  
NOTE: NO ISSUES WITH GAS REGULATOR ASSEMBLY SINCE REPLACEMENT  
IN APRIL. NO LONGER RESETS WHEN GAS CYLINDER EXCHANGED.
3. Repair/Maintenance Performed:  
REPLACED EXTERNAL BATTERY → STILL NO BATTERY STATUS  
REPLACED EXTERNAL BATTERY PACK → BATTERY STATUS DISPLAYS  
PERFORMED FORMS LOAD TO UPDATE OPERATOR FILE.
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: 86 psi      Regulator: 100 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.

ANOTHER ANNUAL INSPECTION WILL BE PERFORMED  
ALSO FOR INSTRUMENT TO BE PLACED ON  
SUPPLEMENTAL DEVICE LIST.

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. 0.015 AC  
Sim SN: MP5319 Lot #: 201911C 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: DR5114 Lot #: ICS 56  Display reads "Interferent Detect"  
CEE

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

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

Known: 0.0801 AC Ethanol Gas Standard.  
Lot No. 24119080A1 Cylinder No. 5 Expiration Date 11.5.2021

Average AC: 0.0801 Std. Dev. 0.0005 Rel. Std. Dev. 0.65%

Remarks/Notes:

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Instrument is acceptable to be used in the field.

Charles E. Egan  
Breath Analyst Signature

8.20.2021  
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 80-005939  
Location = TOXL      8164.14.00 09/16  
08/20/2021      14:21

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:21
02 Std. Sol.	0.013	14:22
03 Room Air	0.000	14:23
04 Std. Sol.	0.013	14:23
05 Room Air	0.000	14:24
06 Std. Sol.	0.013	14:25
07 Room Air	0.000	14:25

08 Sim Temp = 34.0°C

Simul Ser No = MP5319  
Std Sol No = 201911C  
County = 08      Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks:

Low AC  
0.015 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 80-005939  
Location = TOXL      8164.14.00 09/16  
08/20/2021      14:40

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:40
02 Std. Sol.	0.389	14:41
03 Room Air	0.000	14:42
04 Std. Sol.	0.389	14:42
05 Room Air	0.000	14:43
06 Std. Sol.	0.388	14:44
07 Room Air	0.000	14:44

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 80-005939  
Location = TOXL                    8164.14.00 09/16  
08/20/2021    15:09

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

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

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

Current Instrument Setup

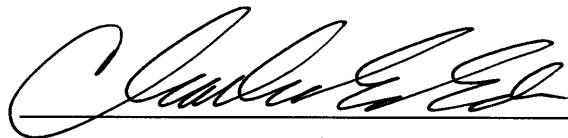
Data Entry Mode:                    Enabled  
Start Test Sequence:                DABACABA  
Display Prelim Rslt?                Yes  
Display Third Digit?                Yes  
Inhib Printer(Y/N)?                No  
Display Volume?                    No  
Disable On Memfull?                Yes  
# of Print Copies?                  1  
Select Std (D/W/I)?                Dry  
Standard Value?                    0.080  
Standard Lot #?                    24119080A1  
Standard Cyl #?                    5  
Standard Expiration?                11/05/2021  
Oper No?                            666666

Flow Cal. Date:                    06/18/2020  
Slope                                611  
Intercept                            -592495

IR Calibration Date:                06/18/2020  
    3um                                    9um

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0th Coef(\*100):                    -15726                                -19510  
1st Coef(\*100):                    296627                                143165  
2nd Coef(\*100):                    -369                                    494  
H2O adj(mg/l\*10k):                220                                    240

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



Operator Signature  
CHARLES EDER

Remarks:

PRINT TEST

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NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-005939  
Location = TOXL      8164.14.00 09/16  
08/20/2021      15:13

Test	AC	Time
01 Room Air	0.000	15:13
02 *Subject Test	INT*	15:14
03 Room Air	0.000	15:15

\*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 = 24119080A1  
Cyl No = 5  
Expiration Date = 11/05/2021  
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 80-005939  
Location = TOXL      8164.14.00 09/16  
08/20/2021      15:16

Test	AC	Time
01 Diagnostic	OK	15:17
02 Room Air	0.000	15:18
03 *Subject Test	RFI*	15:18
04 Room Air	0.000	15:18

\*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 = 24119080A1  
Cyl No = 5  
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:

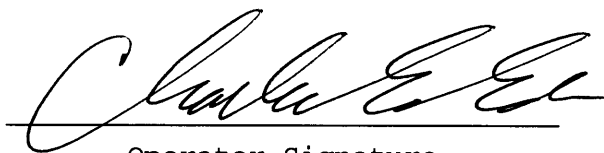
RFI CHECK

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

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-005939  
Location = TOXL      8164.14.00 09/16  
08/20/2021      15:19

Test	AC	Time
01 Room Air	0.000	15:20
02 Std. Gas	0.080	15:20
03 Room Air	0.000	15:21
04 Std. Gas	0.080	15:21
05 Room Air	0.000	15:21
06 Std. Gas	0.081	15:22
07 Room Air	0.000	15:22
08 Std. Gas	0.080	15:23
09 Room Air	0.000	15:23
10 Std. Gas	0.080	15:24
11 Room Air	0.000	15:24
12 Std. Gas	0.080	15:24
13 Room Air	0.000	15:25
14 Std. Gas	0.080	15:25
15 Room Air	0.000	15:26
16 Std. Gas	0.080	15:26
17 Room Air	0.000	15:27
18 Std. Gas	0.081	15:27
19 Room Air	0.000	15:28
20 Std. Gas	0.081	15:28
21 Room Air	0.000	15:28
22 Std. Gas	0.080	15:29
23 Room Air	0.000	15:29
24 Std. Gas	0.080	15:30
25 Room Air	0.000	15:30
26 Std. Gas	0.080	15:31
27 Room Air	0.000	15:31
28 Std. Gas	0.079	15:31
29 Room Air	0.000	15:32
30 Std. Gas	0.080	15:32
31 Room Air	0.000	15:33
32 Cal Check Stats:		
33 Average	0.0801	
34 Std Dev	0.0005	
35 Rel Std Dev	0.65%	



Operator Signature  
CHARLES EDER

Remarks: CALIBRATION CHECK  
STABILITY TEST

0.080AC

Form 106-I8000