

**INTOXILYZER® 8000 REPAIR AND MAINTENANCE**

Intoxilyzer® 8000 Serial Number: 80-006690 Location: ToxL

1. Reported Issue:  
temperature fails reported in field

2. Found/Determined:  
- temp. fail during diagnostics  
- breath hose cold to touch even though  
"ready mode"  
- keyboard had stiff keys

3. Repair/Maintenance Performed:  
- replaced breath hose  
- replaced keyboard

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: 975 psi Regulator: 980 psi  
N/A 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.

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: MP5318 Lot #: 21340 Exp. Date: 24 Aug 2023

High AC (Level 1, C): Known value  $\geq 0.25$  AC. 0.300 AC  
Sim SN: MP3063 Lot #: 21420 Exp. Date: 20 Oct 2023

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: DR7345 Lot #: 1CS7  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. 003 Expiration Date 05 Mar 2023

Average AC: 0.0813 Std. Dev. 0.0005 Rel. Std. Dev. 0.60%

Remarks/Notes:

Ran diagnostic test

Instrument is acceptable to be used in the field.

[Signature]

Breath Analyst Signature

28 Feb 2023

Date

[Signature]

Reviewed by

01 Mar 23

Date

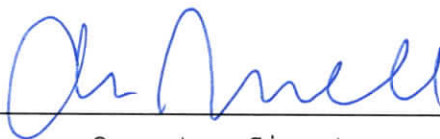
Intoxilyzer Test Record and Checklist  
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-006690  
Location = TOXL      8164.14.00 09/16  
02/28/2023      13:23

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. = 133237



Operator Signature  
ANNA NAREHOOD

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 80-006690  
Location = TOXL      8164.14.00 09/16  
02/28/2023      13:42

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:42
02 Std. Sol.	0.019	13:43
03 Room Air	0.000	13:44
04 Std. Sol.	0.019	13:45
05 Room Air	0.000	13:45
06 Std. Sol.	0.019	13:46
07 Room Air	0.000	13:46

08 Sim Temp = 34.0°C

Simul Ser No = MP5318  
Std Sol No = 21340  
County = 08      Oper No. = 133237



Operator Signature  
ANNA NAREHOOD

Remarks:

LOW AC 0.020

Form 106-I8000

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NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-006690  
Location = TOXL      8164.14.00 09/16  
02/28/2023      13:53

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:53
02 Std. Sol.	0.290	13:55
03 Room Air	0.000	13:56
04 Std. Sol.	0.293	13:57
05 Room Air	0.000	13:57
06 Std. Sol.	0.294	13:58
07 Room Air	0.000	13:58

08 Sim Temp = 34.0°C

Simul Ser No = MP3063

Std Sol No = 21420

County = 08

Oper No. = 133237



Operator Signature  
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Remarks:

High AC 0.300

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 80-006690  
Location = TOXL                    8164.14.00 09/16  
02/28/2023                            14:02

\*\*\*\*\* 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 #?            3  
Standard Expiration?        03/05/2023  
Oper No?                    133237

Flow Cal. Date:            08/23/2018  
Slope                        677  
Intercept                    -593298

IR Calibration Date:        08/23/2018  
                                  3um                    9um

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0th Coef(\*100):            -8380                    -21663  
1st Coef(\*100):            265142                   130429  
2nd Coef(\*100):            3933                     1429  
H2O adj(mg/l\*10k):        412                      539

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

  
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Operator Signature  
ANNA NAREHOOD

Remarks:

Print Test

Form 106-I8000

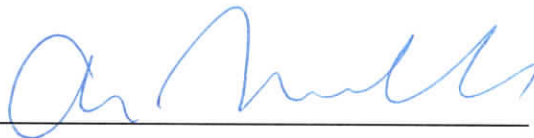
Intoxilyzer Test Record and Checklist  
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer            Alcohol Analyzer  
North Dakota Model 8000        SN 80-006690  
Location = TOXL                  8164.14.00 09/16  
02/28/2023                                14:03

Test	AC	Time
01 Room Air	0.000	14:04
02 *Subject Test	INT*	14:04
03 Room Air	0.000	14:05

\*Invalid Test  
Interferent Detected

Sub Name = DISCOVER, THE SPIRIT  
Sub DOB = 01/01/1982  
Sub Sex = Female                  Weight = 150  
Test = OTH                          Cit = INTERFERENT  
Dr. Lic. = ND/DIS821456  
Lot No = 02621080A1  
Cyl No = 3  
Expiration Date = 03/05/2023  
County = 08                          Oper No. = 133237



Operator Signature  
ANNA NAREHOOD

Remarks:

*Interferent check*

Form 106-I8000

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

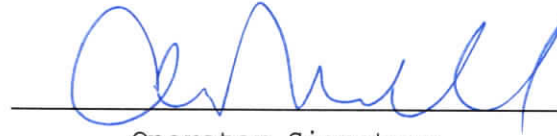
CMI, Inc. Intoxilyzer            Alcohol Analyzer  
North Dakota Model 8000            SN 80-006690  
Location = TOXL                      8164.14.00 09/16  
02/28/2023                              14:08

Test	AC	Time
01 Diagnostic	OK	14:09
02 Room Air	0.000	14:09
03 *Subject Test	RFI*	14:09
04 Room Air	0.000	14:10

\*Invalid Test  
  Inhibited - RFI

Sub Name = DISCOVER, THE SPIRIT  
Sub DOB = 01/01/1982  
Sub Sex = Female                      Weight = 150  
Test = OTH                              Cit = RFI CHECK  
Dr. Lic. = ND/DIS821456  
Lot No = 02621080A1  
Cyl No = 3  
Expiration Date = 03/05/2023  
County = 08                              Oper No. = 133237

I followed the Approved Method and the instructions displayed by the Intoxilyzer in conducting this test.



Operator Signature  
ANNA NAREHOOD

Remarks:

RFI check

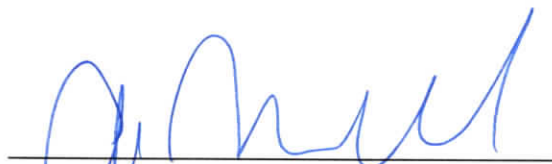
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Intoxilyzer Test Record and Checklist  
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-006690  
Location = TOXL      8164.14.00 09/16  
02/28/2023      14:11

Test	AC	Time
01 Room Air	0.000	14:12
02 Std. Gas	0.081	14:12
03 Room Air	0.000	14:13
04 Std. Gas	0.081	14:13
05 Room Air	0.000	14:13
06 Std. Gas	0.081	14:14
07 Room Air	0.000	14:14
08 Std. Gas	0.082	14:15
09 Room Air	0.000	14:15
10 Std. Gas	0.082	14:16
11 Room Air	0.000	14:16
12 Std. Gas	0.081	14:16
13 Room Air	0.000	14:17
14 Std. Gas	0.081	14:17
15 Room Air	0.000	14:18
16 Std. Gas	0.082	14:18
17 Room Air	0.000	14:19
18 Std. Gas	0.082	14:19
19 Room Air	0.000	14:20
20 Std. Gas	0.081	14:20
21 Room Air	0.000	14:21
22 Std. Gas	0.081	14:21
23 Room Air	0.000	14:21
24 Std. Gas	0.082	14:22
25 Room Air	0.000	14:22
26 Std. Gas	0.081	14:23
27 Room Air	0.000	14:23
28 Std. Gas	0.081	14:24
29 Room Air	0.000	14:24
30 Std. Gas	0.081	14:24
31 Room Air	0.000	14:25
32 Cal Check Stats:		
33 Average	0.0813	
34 Std Dev	0.0005	
35 Rel Std Dev	0.60%	

  
Operator Signature  
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Remarks:

Stability Test