

**BREATH ALCOHOL EQUIPMENT  
REPAIR AND MAINTENANCE**

Instrument: 8000 Serial Number: 80-006496 Location: TOXL

1. Instrument repairs/maintenance performed:

REPORTED ISSUE: SUBJECTS CLAIM INSTRUMENT HARD TO BLOW THROUGH.  
EXAMINED BREATH HOSE SCREEN, REMOVED GRAYISH/WHITE SUBSTANCE  
COVERING ABOUT 5% OF SCREEN. WILL PERFORM FLOW SENSOR CALIBRATION  
TO RULE OUT FLOW SENSOR ISSUE. FLOW SENSOR R: VALUE = 173 (GOOD).  
INSTRUMENT EASY TO BLOW THROUGH. BLEW THROUGH BREATH HOSE  
WITH SIMULATOR TO GAUGE BREATH FLOW. INSTRUMENT EASY TO SUPPLY  
ADEQUATE SAMPLE.  
EXTERNAL BATTERY REPLACED & TRAINED.

2. Does the instrument require further testing?  
If Yes, continue.  
If No, sign and date below.

Yes or No

3. If needed, set the time, date, and location.

✓

4. Does the flow need to be calibrated?  
If Yes, attach paperwork.

Yes or No

5. Does the optical bench need to be calibrated?  
If Yes, attach test records.

Yes or No

6. Does the gas regulator need to be calibrated?

Yes or No

PSI gauge reading 525 PSI display reading 530

Set instrument to Wet Bath and run tests:

7. Low AC. Use < 0.03 AC in ACA mode. Attach test record.

✓

Sim SN: MP3070 Lot #: 201805C AC: 0.015

8. Linearity Test. Use ≥ 0.25 AC in ACA mode. Attach test record.

✓

Sim SN: DR7351 Lot #: 201803G AC: 0.250

Set instrument to Gas and run tests:

9. Print test. Attach test record. ✓

10. Interferent Check. Use a 0.10 AC ethanol plus 0.05% acetone in ABA mode. Attach test record. ✓

Sim SN: DR3451 Lot #: ICS #5 AC: 0.10AC + 0.05% ACETONE

11. RFI Check. Run in CMS mode. Key radio during any room air or subject test. Attach test record. ✓

12. Calibration Check. Use a valid 0.080 AC Ethanol Gas Standard. Run three calibration sets in ACA mode. Attach test records. ✓

Lot No. 34917080A3 Cylinder No. 2 Expiration Date 2/5/20

Test 1 <u>0.082</u>	Test 1 <u>0.082</u>	Test 1 <u>0.082</u>
Test 2 <u>0.082</u>	Test 2 <u>0.082</u>	Test 2 <u>0.082</u>
Test 3 <u>0.082</u>	Test 3 <u>0.083</u>	Test 3 <u>0.082</u>

Average 0.082

INSTRUMENT ACCEPTABLE TO BE USED IN FIELD.

Charles E. Esh  
Field Inspector's Signature  
NA

2/4/20  
Date  
NA

Reviewed by \_\_\_\_\_

Date \_\_\_\_\_

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

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-006496  
Location = TOXL      8164.13.00 06/09  
01/29/2020      16:27

Flow Rate Calibration\*\*\*\*\*

- 1: Rate (Liters/min) = 5  
   SQRT(Diff)) = 7.547
- 2: Rate (Liters/min) = 15  
   SQRT(Diff)) = 12.328
- 3: Rate (Liters/min) = 30  
   SQRT(Diff)) = 22.043

FLOW METER  
S/N: 40655

Dependent Data Scale Factor = 100000 L/min  
Independent Data Scale Factor = 256  
Rounded Slope = 663  
Rounded Intercept = -706121  
Correlation = 0.99688

→ Good  $\geq 0.99000$

VERIFICATION

S/N: 55260 FLOW METER

10 L/min:  $0.156 \text{ L/s} \times 60 \text{ sec/min} = 9.36 \text{ L/min}$

20 L/min:  $0.320 \text{ L/s} \times 60 \text{ sec/min} = 19.2 \text{ L/min}$

FLOW RATES WITHIN  $\pm 1$  L/min OF VALUE



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NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-006496  
Location = TOXL      8164.13.00 06/09  
02/04/2020      10:26

Test	AC	Time
01 Diagnostic	OK	10:27
02 Room Air	0.000	10:28
03 Subject Test 1	0.146	10:29
04 Room Air	0.000	10:31
05 Std. Gas	0.083	10:32
06 Room Air	0.000	10:33
07 Subject Test 2	0.145	10:34
08 Room Air	0.000	10:35
09 Reported AC	0.145	10:34

Difference OK  
No RFI Detected

Sub Name = DISCOVER, THE SPIRIT  
Sub DOB = 02/01/1992  
Sub Sex = Female      Weight = 150  
Test = DUI      Cit = NA  
Dr. Lic. = ND/DIS921456  
Lot No = 34917080A3  
Cyl No = 2  
Expiration Date = 02/05/2020  
County = 08      Oper No. = 666666

20 minute waiting period ascertained? Y  
Clean Mouthpiece used and disposed? Y  
Clean Mouthpiece used and disposed? Y

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



Operator Signature  
CHARLES EDER

Remarks:

0.150 AC

LOT: 201811E  
EXP: 11-26-20

SELF BLEW THROUGH SIMULATOR

Form 106-I8000



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NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-006496  
Location = TOXL      8164.13.00 06/09  
01/29/2020      16:40

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:41
02 Std. Sol.	0.017	16:42
03 Room Air	0.000	16:42
04 Std. Sol.	0.017	16:43
05 Room Air	0.000	16:43
06 Std. Sol.	0.016	16:44
07 Room Air	0.000	16:45

08 Sim Temp = 34.0°C

Simul Ser No = MP3070

Std Sol No = 201805C

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 80-006496  
Location = TOXL      8164.13.00 06/09  
01/29/2020      16:47

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:47
02 Std. Sol.	0.247	16:48
03 Room Air	0.000	16:49
04 Std. Sol.	0.247	16:49
05 Room Air	0.000	16:50
06 Std. Sol.	0.248	16:51
07 Room Air	0.000	16:51

08 Sim Temp = 34.0°C

Simul Ser No = DR7351

Std Sol No = 201803G

County = 08

Oper No. = 666666



Operator Signature

CHARLES EDER

Remarks:

0.250 AC

HIGH 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 80-006496  
Location = TOXL                8164.13.00 06/09  
02/04/2020                      10:53

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

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

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

Current Instrument Setup

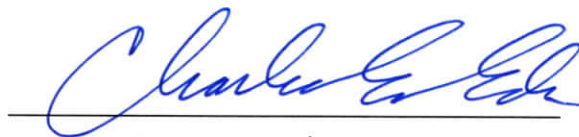
Data Entry Mode:            Enabled  
Start Test Sequence:        DABACABA  
Display Prelim Rslt?        Yes  
Display Third Digit?        Yes  
Inhib Printer(Y/N)?        No  
Display Volume?            No  
Disable On Memfull?        Yes  
# of Print Copies?         1  
Select Std (D/W/I)?        Dry  
Standard Value?            0.080  
Standard Lot #?            34917080A3  
Standard Cyl #?            2  
Standard Expiration?       02/05/2020  
Oper No?                    666666

Flow Cal. Date:            01/29/2020  
Slope                      663  
Intercept                  -706121

IR Calibration Date:        08/18/2015

	3um	9um
0th Coef(*100):	-22081	-15963
1st Coef(*100):	278490	136818
2nd Coef(*100):	2086	1282
H2O adj(mg/l*10k):	598	386

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



Operator Signature  
CHARLES EDER

Remarks:

Form 106-I8000

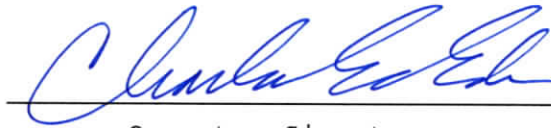
Intoxilyzer Test Record and Checklist  
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-006496  
Location = TOXL      8164.13.00 06/09  
02/04/2020      11:01

Test	AC	Time
01 Room Air	0.000	11:02
02 *Subject Test	INT*	11:03
03 Room Air	0.000	11:03

\*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 = 34917080A3  
Cyl No = 2  
Expiration Date = 02/05/2020  
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 80-006496  
Location = TOXL      8164.13.00 06/09  
02/04/2020      11:05

Test	AC	Time
01 Diagnostic	OK	11:06
02 Room Air	0.000	11:07
03 Subject Test 1	0.000	11:07
04 Room Air	0.000	11:10
05 Std. Gas	0.081	11:11
06 Room Air	0.000	11:12
07 *Subject Test	RFI*	11:12
08 Room Air	0.000	11:13

\*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 = 34917080A3  
Cyl No = 2  
Expiration Date = 02/05/2020  
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

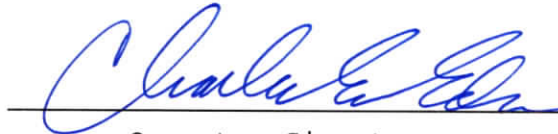
Intoxilyzer Test Record and Checklist  
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-006496  
Location = TOXL      8164.13.00 06/09  
02/04/2020      11:15

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	11:15
02 Std. Gas	0.082	11:15
03 Room Air	0.000	11:16
04 Std. Gas	0.082	11:16
05 Room Air	0.000	11:17
06 Std. Gas	0.082	11:17
07 Room Air	0.000	11:18

Lot No = 34917080A3  
Cyl No = 2  
Exp Date = 02/05/2020  
County = 08      Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks: CALIBRATION CHECK  
0.0804C

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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 80-006496  
Location = TOXL      8164.13.00 06/09  
02/04/2020      11:18

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	11:19
02 Std. Gas	0.082	11:19
03 Room Air	0.000	11:20
04 Std. Gas	0.082	11:20
05 Room Air	0.000	11:21
06 Std. Gas	0.083	11:21
07 Room Air	0.000	11:22

Lot No = 34917080A3  
Cyl No = 2  
Exp Date = 02/05/2020  
County = 08      Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks: CALIBRATION CHECK  
0.080 AC

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Intoxilyzer Test Record and Checklist  
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CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-006496  
Location = TOXL      8164.13.00 06/09  
02/04/2020      11:22

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	11:22
02 Std. Gas	0.082	11:23
03 Room Air	0.000	11:23
04 Std. Gas	0.082	11:24
05 Room Air	0.000	11:24
06 Std. Gas	0.082	11:24
07 Room Air	0.000	11:25

Lot No = 34917080A3  
Cyl No = 2  
Exp Date = 02/05/2020  
County = 08      Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks: CALIBRATION CHECK  
0.080 AC

Form 106-I8000