

INTOXILYZER® 8000 REPAIR AND MAINTENANCE

Intoxilyzer® 8000 Serial Number: 80-006496 Location: TOXL

1. Reported Issue:

CORE VERSION WAS 8164.13. SHOULD BE UPDATED TO 8164.14.

2. Found/Determined:

INSTRUMENT CORE VERSION WAS AT 8164.13, SHOULD BE UPDATED TO 8164.14. THIS WILL ADD DRIVERS LICENSE FORMATS CONSISTENT WITH UPDATES IN 2014.

3. Repair/Maintenance Performed:

UPDATED CORE VERSION TO 8164.14. USED FLASH UPDATE PROCESS IN CMI'S SOFTWARE. DEMONSTRATED PROCESS TO KALI HEB ON 5/18/21.

INSTRUMENT NOW READS ND DRIVER'S LICENSES ISSUED BEFORE, DURING AND AFTER 2014.

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: 210 psi Regulator: 225 psi

If needed, completed tare of tank sensor. (Level 3, M, C, G)

6. Does the flow need to be calibrated?

If Yes, attach paperwork.

Yes or No

7. Does the optical bench need a calibration adjustment?

If Yes, attach test records.

Yes or No

8. Does the instrument require further testing?

If No, sign and date at end of form.

If Yes, state testing required or:  Perform all tests for repair.

ISSUED  
Yes or No

WILL USE DRIVER'S LICENSES BEFORE AND DURING 2014.

THIS WILL DEMONSTRATE READING BARCODES ON LICENSES CORRECTLY.

ABA/INTERFERENT - PRE 2014 LICENSE. (ISSUED 2006)

CMS/RFI TEST - 2014 ISSUED LICENSE. (ISSUED 2014)

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 #: 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. 25 Expiration Date 3.5.23

Average AC: 0.0806 Std. Dev. 0.0005 Rel. Std. Dev. 0.63%

Remarks/Notes:

ADDED CMS TEST - LICENSE ISSUED IN 2019.  
- 2019 LICENSE IS A REAL ID.

Instrument is acceptable to be used in the field.

Charles E. Egan  
Breath Analyst Signature

5/20/21  
Date

Lori G. Dietz  
Reviewed by

5/24/21  
Date

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

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-006496  
Location = TOXL      8164.14.00 09/16  
05/20/2021      14:40

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:41
02 Std. Sol.	0.009	14:42
03 Room Air	0.000	14:42
04 Std. Sol.	0.009	14:43
05 Room Air	0.000	14:43
06 Std. Sol.	0.009	14:44
07 Room Air	0.000	14:45

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 80-006496  
Location = TOXL      8164.14.00 09/16  
05/20/2021      14:50

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:51
02 Std. Sol.	0.500	14:52
03 Room Air	0.000	14:52
04 Std. Sol.	0.500	14:53
05 Room Air	0.000	14:54
06 Std. Sol.	0.499	14:55
07 Room Air	0.000	14:55

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 80-006496  
Location = TOXL                   8164.14.00 09/16  
05/20/2021                           14:59

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

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

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

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 #?              25  
Standard Expiration?         03/05/2023  
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:      PRINT TEST

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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                    8164.14.00 09/16  
05/20/2021                            15:19

Test	AC	Time
01 Room Air	0.000	15:20
02 *Subject Test	INT*	15:21
03 Room Air	0.000	15:22

\*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 = 25  
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

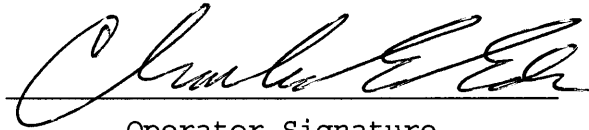
CMI, Inc. Intoxilyzer                      Alcohol Analyzer  
North Dakota Model 8000                      SN 80-006496  
Location = TOXL                              8164.14.00 09/16  
05/20/2021    15:23

Test	AC	Time
01 Diagnostic	OK	15:24
02 Room Air	0.000	15:24
03 *Subject Test	RFI*	15:24
04 Room Air	0.000	15:25

\*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 = 02621080A1  
Cyl No = 25  
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

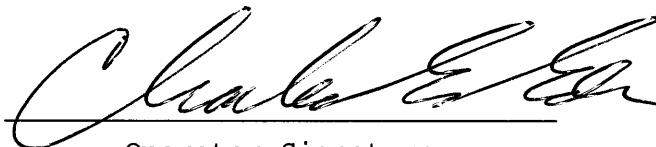
Remarks: *RFI CHECK*

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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                 8164.14.00 09/16  
05/20/2021                        15:36

Test	AC	Time
01 Room Air	0.000	15:37
02 Std. Gas	0.081	15:37
03 Room Air	0.000	15:38
04 Std. Gas	0.080	15:38
05 Room Air	0.000	15:39
06 Std. Gas	0.081	15:39
07 Room Air	0.000	15:40
08 Std. Gas	0.081	15:40
09 Room Air	0.000	15:41
10 Std. Gas	0.080	15:41
11 Room Air	0.000	15:42
12 Std. Gas	0.081	15:42
13 Room Air	0.000	15:43
14 Std. Gas	0.081	15:43
15 Room Air	0.000	15:44
16 Std. Gas	0.081	15:44
17 Room Air	0.000	15:45
18 Std. Gas	0.080	15:45
19 Room Air	0.000	15:45
20 Std. Gas	0.080	15:46
21 Room Air	0.000	15:46
22 Std. Gas	0.081	15:47
23 Room Air	0.000	15:47
24 Std. Gas	0.080	15:48
25 Room Air	0.000	15:48
26 Std. Gas	0.080	15:49
27 Room Air	0.000	15:49
28 Std. Gas	0.081	15:50
29 Room Air	0.000	15:50
30 Std. Gas	0.081	15:51
31 Room Air	0.000	15:51
32 Cal Check Stats:		
33 Average	0.0806	
34 Std Dev	0.0005	
35 Rel Std Dev	0.63%	



Operator Signature  
CHARLES EDER

Remarks: CALIBRATION CHECK /  
STABILITY TEST 0.080 AC

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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                 8164.14.00 09/16  
05/20/2021                        15:26

Test	AC	Time
01 Diagnostic	OK	15:28
02 Room Air	0.000	15:29
03 Subject Test 1	0.000	15:29
04 Room Air	0.000	15:31
05 Std. Gas	0.080	15:32
06 Room Air	0.000	15:33
07 Subject Test 2	0.000	15:34
08 Room Air	0.000	15:35
09 Reported AC	0.000	15:29

Difference OK  
No RFI Detected

Sub Name = REAL ID, REAL ID REAL ID  
Sub DOB = 10/18/1920  
Sub Sex = Male                     Weight = NA  
Test = DUI                         Cit = REAL ID LICENSE  
Dr. Lic. = ND/XXX201234  
Lot No = 02621080A1  
Cyl No = 25  
Expiration Date = 03/05/2023  
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:

REAL ID LICENSE  
CMS TEST

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