

INTOXILYZER® 8000 REPAIR AND MAINTENANCE

Intoxilyzer® 8000 Serial Number: 80-005958 Location: TOXL

1. Reported Issue:
POWER/SCREEN CUTTING OUT DURING INSTALL, ON PHONE WITH AGENCY WHILE HAPPENING, REQUESTED RETURN OF INSTRUMENT.
 2. Found/Determined:
INSTRUMENT WOULD NOT POWER ON WHEN RETURNED, HAD REPLACED EXTERNAL BATTERY DURING ANNUAL INSPECTION, NEW EXTERNAL BATTERY OR CIRCUITRY IN BATTERY PACK BAD. CEE 5.19.21
 3. Repair/Maintenance Performed: 5.19.21 CEE
REPLACED ENTIRE BATTERY PACK WITH NEW EXTERNAL BATTERY. INSTRUMENT POWERS ON. INSTRUMENT PASSES DIAGNOSTICS AND COMES TO READY.
5.19.21 to 5.25.21 RAN THE EQUIVALENT OF OVER 30 TESTS. NO POWER LOSSES OR SCREEN GLITCHES. CLEARED TESTS FROM INSTRUMENT. CEE 6.4.21
 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: 127 psi Regulator: 150 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.
- _____

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. 0.030 AC
Sim SN: MP5289 Lot #: 201911E 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 #: ICS6 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. 24119080A1 Cylinder No. 31 Expiration Date 11.5.21

Average AC: 0.0781 Std. Dev. 0.0004 Rel. Std. Dev. 0.46%

Remarks/Notes:

REPAIR AND MAINTENANCE TESTING IS THE EQUIVALENT
TESTING PERFORMED DURING AN ANNUAL INSPECTION.

Instrument is acceptable to be used in the field.

Charles E. Ed
Breath Analyst Signature

6/4/21
Date

Kali Y. Hinch
Reviewed by

6-7-21
Date

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

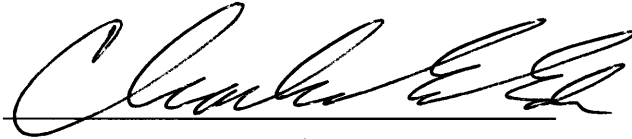
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005958
Location = TOXL 8164.14.00 09/16
06/04/2021 16:06

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:07
02 Std. Sol.	0.028	16:08
03 Room Air	0.000	16:08
04 Std. Sol.	0.028	16:09
05 Room Air	0.000	16:09
06 Std. Sol.	0.029	16:10
07 Room Air	0.000	16:11

08 Sim Temp = 34.0°C

Simul Ser No = MP5289
Std Sol No = 201911E
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks:

Low AC
0.030 AC

Form 106-I8000

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

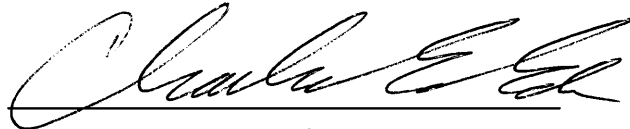
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005958
Location = TOXL 8164.14.00 09/16
06/04/2021 16:22

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:23
02 Std. Sol.	0.401	16:23
03 Room Air	0.000	16:24
04 Std. Sol.	0.403	16:25
05 Room Air	0.000	16:25
06 Std. Sol.	0.403	16:26
07 Room Air	0.000	16:27

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 80-005958
Location = TOXL 8164.14.00 09/16
06/04/2021 16:28

***** Printer Test *****

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

abcdefghijklmnopqrstuvwxy1234567890-|=|
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 #? 31
Standard Expiration? 11/05/2021
Oper No? 666666

Flow Cal. Date: 06/21/2013
Slope 716
Intercept -760436

IR Calibration Date: 04/07/2015

	3um	9um
0th Coef(*100):	-17179	-17694
1st Coef(*100):	259328	130890
2nd Coef(*100):	3473	1654
H2O adj(mg/l*10k):	425	422

***** 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 80-005958
Location = TOXL 8164.14.00 09/16
06/04/2021 16:33

Test	AC	Time
01 Room Air	0.000	16:34
02 *Subject Test	INT*	16:34
03 Room Air	0.000	16:35

*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*
0.10AC + 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 80-005958
Location = TOXL 8164.14.00 09/16
06/04/2021 16:35

Test	AC	Time
01 Diagnostic	OK	16:36
02 Room Air	0.000	16:36
03 *Subject Test	RFI*	16:37
04 Room Air	0.000	16:37

*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:


RFI 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 80-005958
Location = TOXL 8164.14.00 09/16
06/04/2021 16:59

Test	AC	Time
01 Room Air	0.000	17:00
02 Std. Gas	0.078	17:00
03 Room Air	0.000	17:01
04 Std. Gas	0.078	17:01
05 Room Air	0.000	17:02
06 Std. Gas	0.078	17:02
07 Room Air	0.000	17:02
08 Std. Gas	0.078	17:03
09 Room Air	0.000	17:03
10 Std. Gas	0.078	17:04
11 Room Air	0.000	17:04
12 Std. Gas	0.078	17:05
13 Room Air	0.000	17:05
14 Std. Gas	0.078	17:05
15 Room Air	0.000	17:06
16 Std. Gas	0.078	17:06
17 Room Air	0.000	17:07
18 Std. Gas	0.078	17:07
19 Room Air	0.000	17:08
20 Std. Gas	0.079	17:08
21 Room Air	0.000	17:08
22 Std. Gas	0.078	17:09
23 Room Air	0.000	17:09
24 Std. Gas	0.078	17:10
25 Room Air	0.000	17:10
26 Std. Gas	0.078	17:11
27 Room Air	0.000	17:11
28 Std. Gas	0.079	17:11
29 Room Air	0.000	17:12
30 Std. Gas	0.078	17:12
31 Room Air	0.000	17:13
32 Cal Check Stats:		
33 Average	0.0781	
34 Std Dev	0.0004	
35 Rel Std Dev	0.46%	



Operator Signature
CHARLES EDER

Remarks: *STABILITY CHECK*
CALIBRATION CHECK
0.080AC

Form 106-I8000