

INTOXILYZER® 8000 REPAIR AND MAINTENANCE

Intoxilyzer® 8000 Serial Number: 80-004189 Location: TOXL

1. Reported Issue:  
INSTRUMENT USED IN CLASSROOM FOR INITIAL 8000 COURSE.  
"TANK PRESSURE BELOW MINIMUM" REPORTED. CEE 2-10-21
2. Found/Determined:  
CEE 2-10-21 - DIGITAL GAS GAUGE READING ZERO PSI. ANALOG  
~~GAS~~ CEE GAS GAUGE READING APPROXIMATELY 250 PSI.  
ANALOG GAUGE READING CORRECTLY. DIGITAL GAUGE BAD.  
REPLACE ENTIRE GAUGE ASSEMBLY.
3. Repair/Maintenance Performed:  
GAS  
CEE 2-10-21 - REPLACED GAUGE ASSEMBLY DURING BREAK IN CLASS.  
PERFORMED TANK SENSOR CAL WITH NEW ASSEMBLY. GAS  
PRESSURE READS CORRECTLY AND ALLOWS EVIDENTIAL TEST.  
CHECKED GAS GAUGE FUNCTION BY RUNNING EXPIRED TANK.  
CEE 2-23-21 - FINISHING REPAIR & MAINTENANCE. NON-EXPIRED TANK.
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: 307 psi Regulator: 300 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.

PERFORM DRY CALIBRATION CHECK/STABILITY TEST TO  
DEMONSTRATE PROPER FUNCTION OF NEW GAS GAUGE  
ASSEMBLY. CEE 2-23-21

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. \_\_\_\_\_ AC  
Sim SN: \_\_\_\_\_ Lot #: \_\_\_\_\_ Exp. Date: \_\_\_\_\_

High AC (Level 1, C): Known value  $\geq$  0.25 AC. \_\_\_\_\_ AC  
Sim SN: \_\_\_\_\_ Lot #: \_\_\_\_\_ Exp. Date: \_\_\_\_\_

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. \_\_\_\_\_ AC ethanol plus 0.05% Acetone. (Level 1, B)  
Sim SN: \_\_\_\_\_ Lot #: \_\_\_\_\_  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. 05620080A1 Cylinder No. 48 Expiration Date 4.5.2022

Average AC: 0.0805 Std. Dev. 0.0005 Rel. Std. Dev. 0.65%

Remarks/Notes:

INSTRUMENT FUNCTIONED PROPERLY DURING REMAINDER OF INITIAL  
CLASS ON 2/10/21 AND DURING INITIAL 8000 CLASS ON  
2/17/21 & 2/18/21.

Instrument is acceptable to be used in the field.

Charles Edel  
Breath Analyst Signature

2/23/2021  
Date

Kaci L. Whit  
Reviewed by

2/23/2021  
Date

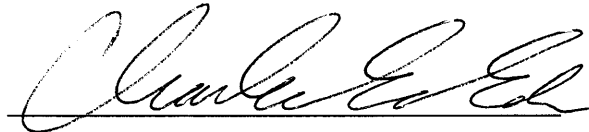
Intoxilyzer Test Record and Checklist  
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-004189  
Location = TOXL      8164.14.00 09/16  
02/10/2021      12:38

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	12:39
02 Std. Gas	0.080	12:39
03 Room Air	0.000	12:40
04 Std. Gas	0.081	12:40
05 Room Air	0.000	12:41
06 Std. Gas	0.081	12:41
07 Room Air	0.000	12:41

Lot No = 19615080A5  
Cyl No = 27  
Exp Date = 09/05/2017  
County = 08      Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks: *NOTE: USED EXPIRED TANK  
DURING CLASS TO DEMONSTRATE  
NEW GAS GAUGE ASSEMBLY  
WORKING.*

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 80-004189  
Location = TOXL                8164.14.00 09/16  
02/23/2021                        11:14

Test	AC	Time
01 Room Air	0.000	11:15
02 Std. Gas	0.081	11:15
03 Room Air	0.000	11:15
04 Std. Gas	0.080	11:16
05 Room Air	0.000	11:16
06 Std. Gas	0.080	11:17
07 Room Air	0.000	11:17
08 Std. Gas	0.080	11:18
09 Room Air	0.000	11:18
10 Std. Gas	0.081	11:18
11 Room Air	0.000	11:19
12 Std. Gas	0.081	11:19
13 Room Air	0.000	11:20
14 Std. Gas	0.081	11:20
15 Room Air	0.000	11:21
16 Std. Gas	0.080	11:21
17 Room Air	0.000	11:22
18 Std. Gas	0.080	11:22
19 Room Air	0.000	11:23
20 Std. Gas	0.081	11:23
21 Room Air	0.000	11:23
22 Std. Gas	0.081	11:24
23 Room Air	0.000	11:24
24 Std. Gas	0.080	11:25
25 Room Air	0.000	11:25
26 Std. Gas	0.080	11:26
27 Room Air	0.000	11:26
28 Std. Gas	0.081	11:26
29 Room Air	0.000	11:27
30 Std. Gas	0.081	11:27
31 Room Air	0.000	11:28
32 Cal Check Stats:		
33 Average	0.0805	
34 Std Dev	0.0005	
35 Rel Std Dev	0.65%	



Operator Signature  
CHARLES EDER

Remarks:    LOT #: 05620080A1    CYLA: 48  
              EXP: 4.5.2022        0.080 AC