

INTOXILYZER® 8000 INSPECTION

Intoxilyzer® 8000 Serial Number: 8D-005939 Location: TOXL

- A. General Setup and Checks:
1. Diagnostic Tests Pass and Instrument in Ready Mode
 2. Breath tube heated
 3. Date, time and location code (Level 2,E). Re-set if necessary.
 4. Print test (Level 1,P). Sign and attach test record.
 5. Tank monitor (Level 3,D,G). Display and Regulator within 50 psi.
 - a. Display: 704 psi Regulator: 700 psi

- B. Tests (Sign and attach test records):
- Configure simulator for the following tests (Level 1,S).
1. Wet Calibration Check
 - a. Low AC (Level 1,C): Known Value \leq 0.03 AC: 0.020 AC
Sim. Ser #: MP3063 Lot #: 16200 Exp. Date: 11 Oct 19
 - b. High AC (Level 1,C): Known Value \geq 0.25 AC: 0.300 AC
Sim. Ser #: MP3065 Lot #: 17350 Exp. Date: 17 Aug 18

- Configure dry gas standard for the following tests (Level 1,S).
2. Interferent Check (Level 1,B): Known Value: 0.10 AC + 0.05% Acetone
Sim. Ser #: DE5144 Lot #: 1055 Exp. Date: 15 May 19
 Display reads "Interferent Detect"
 3. RFI Check (CMS Mode) Display reads "RFI Detect"
 4. Dry Calibration Check (Level 1,C): Known Value 0.080 AC
Gas Cyl Lot #: 34917080A3 Cyl #: 28 Exp. Date: 5 Feb 20

Test 1 <u>0.081</u>	Test 4 <u>0.081</u>	Test 7 <u>0.080</u>
Test 2 <u>0.080</u>	Test 5 <u>0.081</u>	Test 8 <u>0.081</u>
Test 3 <u>0.081</u>	Test 6 <u>0.080</u>	Test 9 <u>0.081</u>
Average <u>0.081</u>		

C. Remarks/Maintenance: Annual inspection. Completed tank sensor calibration, flow sensor calibration, and optical bench calibration adjustment. Gas standard calibration check average was 0.084 prior to adjustment. Replaced O-ring on breath hose prior to flow sensor calibration.
 Instrument is acceptable to be used in the field.

Robert Mungu-Nimmo
Breath Analyst Signature
Charles E. Egan
Reviewed by

25 Apr 18
Date
25 APR 18
Date

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005939
Location = TOXL 8164.14.00 09/16
04/25/2018 09:31

Flow Rate Calibration*****

1: Rate (Liters/min) = 5

 SQRT(Diff) = 7.211

2: Rate (Liters/min) = 15

 SQRT(Diff) = 12.527

3: Rate (Liters/min) = 30

 SQRT(Diff) = 23.191

Dependent Data Scale Factor = 100000 L/min

Independent Data Scale Factor = 256

Rounded Slope = 602

Rounded Intercept = -539576

Correlation = 0.99712

Flow Sensor Verification Check
Gilmont model F-4001
SN 40655

Rate 10 Liters/min

Intox. Flow Sensor $0.164 \text{ L/s} \times 60 \text{ s/min} = 9.84 \text{ L/min}$

Rate 20 Liters/min

Intox. Flow Sensor $0.330 \text{ L/s} \times 60 \text{ s/min} = 19.8 \text{ L/min}$

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-005939
 04/25/2018 09:45:54

Auto Calibration

pg 1 of 2

<<<<< 3um >>>>> <<<<< 9um >>>>>

 Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.0760	(0.0060)	0.1570	(0.0050) Simulator
Sample #2	0.0650	(0.0590)	0.1380	(0.0180) MP3048
Sample #3	0.0390	(0.1030)	0.1390	(0.0410) 0.000 AC
Sample #4	0.0540	(0.1170)	0.1410	(0.0340) lot: NA
Avg % Abs	0.0527	(0.0930)	0.1393	(0.0310) Exp.: NA
STD DEV	0.0131	(0.0303)	0.0015	(0.0118) Milli @ H ₂ O
REL STD DEV	24.781	(32.544)	1.096	(38.032)

 Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.7360	(-0.0110)	1.5320	(0.0090) Simulator
Sample #2	0.7450	(0.0350)	1.5180	(0.0330) MP3057
Sample #3	0.7590	(0.0210)	1.5270	(0.0370) 0.040 AC
Sample #4	0.7480	(0.0480)	1.5290	(0.0320) lot: 16300
Avg % Abs	0.7507	(0.0347)	1.5247	(0.0340) Exp.: 21 Oct 18
STD DEV	0.0074	(0.0135)	0.0059	(0.0026)
REL STD DEV	0.982	(38.951)	0.384	(7.782)

 Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.4020	(0.0030)	2.8820	(0.0120) Simulator
Sample #2	1.3550	(0.0340)	2.8240	(0.0580) MP3062
Sample #3	1.3870	(0.0200)	2.8520	(0.0470) 0.080 AC
Sample #4	1.3760	(0.0310)	2.8480	(0.0570) lot: 16180
Avg % Abs	1.3727	(0.0283)	2.8413	(0.0540) Exp.: 1 Aug 18
STD DEV	0.0163	(0.0074)	0.0151	(0.0061)
REL STD DEV	1.184	(26.016)	0.533	(11.264)

 Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.7520	(-0.0190)	3.5280	(-0.0100) Simulator
Sample #2	1.6930	(0.0270)	3.4990	(0.0310) MP3069
Sample #3	1.7150	(0.0030)	3.4890	(0.0340) 0.100 AC
Sample #4	1.6890	(0.0150)	3.5030	(0.0220) lot: 17280
Avg % Abs	1.6990	(0.0150)	3.4970	(0.0290) Exp.: 11 Sep 19
STD DEV	0.0140	(0.0120)	0.0072	(0.0062)
REL STD DEV	0.824	(80.000)	0.206	(21.534)

 Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	4.8480	(0.0160)	9.7090	(0.0090) Simulator
Sample #2	4.8500	(0.0610)	9.6720	(0.0900) MP3071
Sample #3	4.8980	(0.0520)	9.6900	(0.1090) 0.300 AC
Sample #4	4.8600	(0.0510)	9.6860	(0.1020) lot: 2018034
Avg % Abs	4.8693	(0.0547)	9.6827	(0.1003) Exp.: 22 Mar 20
STD DEV	0.0253	(0.0055)	0.0095	(0.0096)
REL STD DEV	0.520	(10.075)	0.098	(9.577)

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-005939
 04/25/2018 09:45:54

Auto Calibration

pg 2 of 2

<<<< 3um >>>>			<<<< 9um >>>>		
-----			-----		
Zero Order Coef	-182.93			-199.93	
First Order Coef	2860.10			1373.01	
Second Order Coef	22.95			12.71	
-----			-----		
Act	Fit	Residual	Act	Fit	Residual
(g/210L)	(g/210L)	(g/210L)	(g/210L)	(g/210L)	(g/210L)
0.000	-0.001	0.0007	0.000	-0.000	0.0002
0.040	0.042	-0.0015	0.040	0.040	-0.0004
0.080	0.080	0.0005	0.080	0.080	0.0001
0.100	0.100	0.0004	0.100	0.100	0.0001
0.300	0.300	-0.0000	0.300	0.300	-0.0000
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<<<< 3um >>>>			<<<< 9um >>>>		
-----			-----		
Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1					
Sample					
Sample #1	4413.00		4355.00		Ethanol Gas
Sample #2	4461.00		4413.00		Standard
Sample #3	4460.00		4375.00		0.100 AC
Sample #4	4348.00		4372.00		lot: 32316100A1
Avg	4423.0000		4386.6665		Exp: 5 Jan 19
STD DEV	64.9538		22.8546		Cyl.: 003
REL STD DEV	1.469		0.521		
H2O adjust (mg/l*10k)	338		375		

Atmospheric Pressure = 961

*****CALIBRATION SUCCESSFUL*****

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-005939
 04/25/2018 09:45:54

Auto Calibration
 Max Power Res Value = 24
 Auto Range Res Value = 7

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005939
Location = TOXL 8164.14.00 09/16
04/25/2018 10:31

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

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

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

Current Instrument Setup

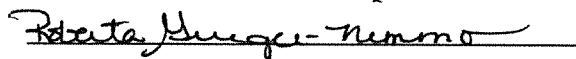
Data Entry Mode: Enabled
Start Test Sequence: DABACABA
Display Prelim Rslt? Yes
Display Third Digit? Yes
Inhib Printer(Y/N)? No
Display Volume? No
Disable On Memfull? Yes
of Print Copies? 1
Select Std (D/W/I)? Dry
Standard Value? 0.080
Standard Lot #? 34917080A3
Standard Cyl #? 28
Standard Expiration? 02/05/2020
Oper No? 888888

Flow Cal. Date: 04/25/2018
Slope 602
Intercept -539576

IR Calibration Date: 04/25/2018

	3um	9um
0th Coef(*100):	-18293	-19993
1st Coef(*100):	286010	137301
2nd Coef(*100):	2295	1271
H2O adj(mg/l*10k):	338	375

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



Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: *Print Test*

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

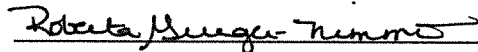
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005939
Location = TOXL 8164.14.00 09/16
04/25/2018 10:50

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:50
02 Std. Sol.	0.020	10:51
03 Room Air	0.000	10:52
04 Std. Sol.	0.020	10:52
05 Room Air	0.000	10:53
06 Std. Sol.	0.020	10:54
07 Room Air	0.000	10:54

08 Sim Temp = 34.0°C

Simul Ser No = MP3063
Std Sol No = 16200
County = 08 Oper No. = 888888



Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: low AC
0.020 AC

Form 106-I8000

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

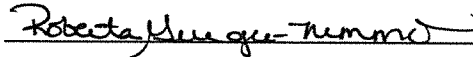
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005939
Location = TOXL 8164.14.00 09/16
04/25/2018 11:01

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	11:01
02 Std. Sol.	0.299	11:02
03 Room Air	0.000	11:03
04 Std. Sol.	0.298	11:03
05 Room Air	0.000	11:04
06 Std. Sol.	0.298	11:05
07 Room Air	0.000	11:05

08 Sim Temp = 34.0°C

Simul Ser No = MP3065
Std Sol No = 17350
County = 08 Oper No. = 888888



Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: High AC
0.300AC

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 80-005939
Location = TOXL 8164.14.00 09/16
04/25/2018 10:32

Test	AC	Time
01 Room Air	0.000	10:32
02 *Subject Test	INT*	10:33
03 Room Air	0.000	10:34

*Invalid Test
Interferent Detected

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 01/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = INTERFERENT
Dr. Lic. = ND/DIS821456
Lot No = 34917080A3
Cyl No = 28
Expiration Date = 02/05/2020
County = 08 Oper No. = 888888

Roberta Grieger-Nimmo

Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: Interferent Check
0.10AC + 0.05% Acetone

Form 106-I8000

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

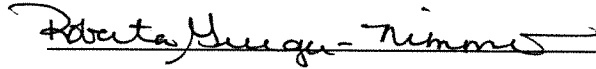
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005939
Location = TOXL 8164.14.00 09/16
04/25/2018 10:34

Test	AC	Time
01 Diagnostic	OK	10:35
02 Room Air	0.000	10:35
03 *Subject Test	RFI*	10:36
04 Room Air	0.000	10:36

*Invalid Test
Inhibited - RFI

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 01/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = RFI CHECK
Dr. Lic. = ND/DIS821456
Lot No = 34917080A3
Cyl No = 28
Expiration Date = 02/05/2020
County = 08 Oper No. = 888888

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



Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: RFI Check

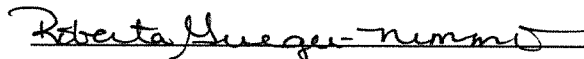
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005939
Location = TOXL 8164.14.00 09/16
04/25/2018 10:37

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:37
02 Std. Gas	0.081	10:37
03 Room Air	0.000	10:38
04 Std. Gas	0.080	10:38
05 Room Air	0.000	10:39
06 Std. Gas	0.081	10:39
07 Room Air	0.000	10:40

Lot No = 34917080A3
Cyl No = 28
Exp Date = 02/05/2020
County = 08 Oper No. = 888888


Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: *Calibration Check*
0.080 AC

Form 106-I8000

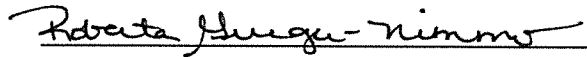
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005939
Location = TOXL 8164.14.00 09/16
04/25/2018 10:40

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:41
02 Std. Gas	0.081	10:41
03 Room Air	0.000	10:42
04 Std. Gas	0.081	10:42
05 Room Air	0.000	10:42
06 Std. Gas	0.080	10:43
07 Room Air	0.000	10:43

Lot No = 34917080A3
Cyl No = 28
Exp Date = 02/05/2020
County = 08 Oper No. = 888888



Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: Calibration Check
0.080 AC

Form 106-I8000

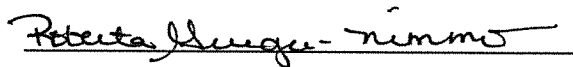
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005939
Location = TOXL 8164.14.00 09/16
04/25/2018 10:43

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:44
02 Std. Gas	0.080	10:44
03 Room Air	0.000	10:45
04 Std. Gas	0.081	10:45
05 Room Air	0.000	10:46
06 Std. Gas	0.081	10:46
07 Room Air	0.000	10:47

Lot No = 34917080A3
Cyl No = 28
Exp Date = 02/05/2020
County = 08 Oper No. = 888888



Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: Calibration Check
0.080AC

Form 106-I8000