

INTOXILYZER® 8000 INSPECTION

Serial No.: 80-004186

Location: TOXL

- | | Check When Done |
|--|-----------------|
| A. Is the breath tube heated? | <u>✓</u> |
| B. Is the diagnostic check complete? | <u>✓</u> |
| C. Is the time, date, and year correct (re-set if necessary)? | <u>✓</u> |
| D. Print test. (Attach test record.) | <u>✓</u> |
| E. Low AC. Use <0.03 AC in ACA mode. (Attach test record.) Sim SN <u>DR3377</u> Lot No. <u>13270</u> Rep AC <u>0.020</u> | <u>✓</u> |
| F. High AC. Use ≥ 0.25 AC in ACA mode. (Attach test record.) Sim SN <u>DR5189</u> Lot No. <u>13300</u> Rep AC <u>0.300</u> | <u>✓</u> |
| G. Interferent check. Use 0.05% acetone plus 0.10 AC ethanol in ABA mode. (Attach test record.) Sim SN <u>DR5135</u> Lot No. <u>IPS#2</u> Rep AC <u>0.100 AC + 0.05% ACETONE</u> | <u>✓</u> |
| H. RFI check. Run CMS mode. Key radio on first room air. (Attach test record.) | <u>✓</u> |
| I. Calibration Check. Use Ethanol Breath Standard cylinder. Do three sets in ACA mode. (Attach test record.) | |

| | | |
|---------------------------|---------------------|-----------------------------|
| Lot No. <u>33913080A4</u> | Cyl No. <u>047</u> | Exp. Date <u>01/01/2016</u> |
| Test 1 <u>0.079</u> | Test 4 <u>0.079</u> | Test 7 <u>0.080</u> |
| Test 2 <u>0.079</u> | Test 5 <u>0.080</u> | Test 8 <u>0.079</u> |
| Test 3 <u>0.079</u> | Test 6 <u>0.079</u> | Test 9 <u>0.080</u> |
| Average <u>0.079</u> | | |

J. Tank pressure, Level 3 Func D Sub G P: 854 psi Reg 850 psi

K. Remarks/Maintenance record: CALIBRATION OF FLOW SENSOR AND OPTICAL BENCH,

ANNUAL INSPECTION

22 APR 2014
Date

Charles E. Ed
Field Inspector's Signature

22 Apr 2014
Date

Deb Kashur
Reviewed by

INTOXILYZER 8000 FLOW SENSOR CHECK

Serial No.: 80-009186

Flow Rate Sensor Check:

Level 3, Diagnostic Monitors (D), Flow Monitor (F)

Flow Meter Serial No.: 40655

House Air (psi): 40 psi

Flow Verification:

10 L/Min: 0.093 L/Sec X 60 Sec/Min = 5.58 L/Min

20 L/Min: 0.292 L/Sec X 60 Sec/Min = 17.52 L/Min

Good Calibration Needed

Notes: CHECKED FLOW RATES SINCE INSTRUMENT NEEDED AN OPTICAL BENCH CALIBRATION

Flow Calibration:

Level 3, Maintenance (M), Calibration (C), Flow Sensor Calibration (F)

~~5~~ L/Min ~~15~~ L/Min ~~30~~ L/Min

~~Attach~~ Flow Rate Calibration Data Printout

Flow Verification (Post Calibration):

10 L/Min: 0.164 L/S X 60 Sec/Min = 9.84 L/Min

20 L/Min: 0.328 L/S X 60 Sec/Min = 19.68 L/Min

Good

Charles E. Edin
Signature

22 APR 14
Date

Deb Keshur
Reviewed by

22 Apr 14
Date

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004186
Location = TOXL 8164.13.00 06/09
04/22/2014 14:55

Flow Rate Calibration*****

- 1: Rate (Liters/min) = 5
 SQRT(Diff)) = 4.469
- 2: Rate (Liters/min) = 15
 SQRT(Diff)) = 9.434
- 3: Rate (Liters/min) = 30
 SQRT(Diff)) = 20.660

Dependent Data Scale Factor = 100000 L/min

Independent Data Scale Factor = 256

Rounded Slope = 589

Rounded Intercept = -71396

Correlation = 0.99452

*Flow Sensor Cal.
Charles E. Eden*

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-004186
 04/22/2014 15:24:55

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 | 0.1380 | (0.0020) | 0.2280 | (0.0070) | 0.000AC MILL @ H2O DR 5114 |
| Sample #2 | 0.1290 | (0.0190) | 0.2110 | (0.0210) | |
| Sample #3 | 0.1240 | (0.0320) | 0.2210 | (0.0140) | |
| Sample #4 | 0.1300 | (0.0280) | 0.1990 | (0.0140) | |
| Avg % Abs | 0.1277 | (0.0263) | 0.2103 | (0.0163) | |
| STD DEV | 0.0032 | (0.0067) | 0.0110 | (0.0040) | |
| REL STD DEV | 2.518 | (25.285) | 5.237 | (24.744) | |
| ----- | | | | | |
| Solution = 0.050 g/210L or 0.2381 mg/l, Samples = 4, Discarded = 1 | | | | | |
| Sample | % Abs | (% Abs Ref) | % Abs | (% Abs Ref) | |
| Sample #1 | 0.9750 | (0.0020) | 1.9220 | (-0.0060) | 0.050 AC LOT: 14020 Exp: 01/13/16 DR 3378 |
| Sample #2 | 1.0080 | (-0.0070) | 1.9480 | (-0.0260) | |
| Sample #3 | 0.9810 | (0.0220) | 1.9350 | (0.0020) | |
| Sample #4 | 1.0040 | (0.0360) | 1.9350 | (0.0100) | |
| Avg % Abs | 0.9977 | (0.0170) | 1.9393 | (-0.0047) | |
| STD DEV | 0.0146 | (0.0219) | 0.0075 | (0.0189) | |
| REL STD DEV | 1.461 | (129.010) | 0.387 | (405.070) | |
| ----- | | | | | |
| Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1 | | | | | |
| Sample | % Abs | (% Abs Ref) | % Abs | (% Abs Ref) | |
| Sample #1 | 1.9140 | (-0.0240) | 3.6600 | (-0.0040) | 0.100 AC LOT: 14030 Exp: 01/20/16 DR 3451 |
| Sample #2 | 1.8850 | (0.0100) | 3.6470 | (0.0180) | |
| Sample #3 | 1.9300 | (0.0050) | 3.6750 | (0.0200) | |
| Sample #4 | 1.9160 | (0.0240) | 3.6430 | (0.0280) | |
| Avg % Abs | 1.9103 | (0.0130) | 3.6550 | (0.0220) | |
| STD DEV | 0.0230 | (0.0098) | 0.0174 | (0.0053) | |
| REL STD DEV | 1.205 | (75.760) | 0.477 | (24.052) | |
| ----- | | | | | |
| Solution = 0.200 g/210L or 0.9524 mg/l, Samples = 4, Discarded = 1 | | | | | |
| Sample | % Abs | (% Abs Ref) | % Abs | (% Abs Ref) | |
| Sample #1 | 3.6180 | (0.0060) | 6.8410 | (-0.0060) | 0.200 AC LOT: 13220 Exp: 08/05/15 DR 5188 |
| Sample #2 | 3.6140 | (0.0180) | 6.8320 | (0.0340) | |
| Sample #3 | 3.5850 | (0.0390) | 6.8240 | (0.0340) | |
| Sample #4 | 3.5570 | (0.0350) | 6.8120 | (0.0170) | |
| Avg % Abs | 3.5853 | (0.0307) | 6.8227 | (0.0283) | |
| STD DEV | 0.0285 | (0.0112) | 0.0101 | (0.0098) | |
| REL STD DEV | 0.795 | (36.360) | 0.148 | (34.641) | |
| ----- | | | | | |
| Solution = 0.400 g/210L or 1.9048 mg/l, Samples = 4, Discarded = 1 | | | | | |
| Sample | % Abs | (% Abs Ref) | % Abs | (% Abs Ref) | |
| Sample #1 | 6.8830 | (0.0180) | 12.8300 | (0.0060) | 0.400 AC LOT: 12105 Exp: 05/23/14 DR 5190 |
| Sample #2 | 6.8800 | (0.0440) | 12.8380 | (0.0290) | |
| Sample #3 | 6.9180 | (0.0140) | 12.8800 | (0.0110) | |
| Sample #4 | 6.8890 | (0.0060) | 12.8520 | (0.0070) | |
| Avg % Abs | 6.8957 | (0.0213) | 12.8567 | (0.0157) | |
| STD DEV | 0.0199 | (0.0200) | 0.0214 | (0.0117) | |
| REL STD DEV | 0.288 | (93.906) | 0.166 | (74.802) | |
| ----- | | | | | |

Charles E. Ed

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-004186
 04/22/2014 15:24:55

Auto Calibration

pg 2 of 2

| <<<<< 3um >>>>> | | | <<<<< 9um >>>>> | | |
|-------------------|--------------|-------------------|-----------------|--------------|-------------------|
| Zero Order Coef | -338.46 | | | -297.36 | |
| First Order Coef | 2664.27 | | | 1354.48 | |
| Second Order Coef | 21.43 | | | 11.71 | |
| Act (g/210L) | Fit (g/210L) | Residual (g/210L) | Act (g/210L) | Fit (g/210L) | Residual (g/210L) |
| 0.000 | 0.000 | -0.0000 | 0.000 | -0.000 | 0.0003 |
| 0.050 | 0.049 | 0.0008 | 0.050 | 0.050 | 0.0002 |
| 0.100 | 0.101 | -0.0014 | 0.100 | 0.101 | -0.0010 |
| 0.200 | 0.199 | 0.0007 | 0.200 | 0.199 | 0.0007 |
| 0.400 | 0.400 | -0.0001 | 0.400 | 0.400 | -0.0001 |

| <<<<< 3um >>>>> | | | <<<<< 9um >>>>> | | |
|--|-----------|--|-----------------|-----------|--|
| Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1 | | | | | |
| Sample | | | | | |
| Sample #1 | 3128.00 | | 0.080 AC | 3021.00 | |
| Sample #2 | 3014.00 | | | 3008.00 | |
| Sample #3 | 3092.00 | | LOT: 16512080A2 | 3053.00 | |
| Sample #4 | 3089.00 | | EXP: 08/01/2014 | 3048.00 | |
| Avg | 3065.0000 | | CYL: 019 | 3036.3333 | |
| STD DEV | 44.1928 | | | 24.6644 | |
| REL STD DEV | 1.442 | | | 0.812 | |
| H2O adjust (mg/l*10k) | 744 | | | 773 | |

Atmospheric Pressure = 1007

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



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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004186
Location = TOXL 8164.13.00 06/09
04/22/2014 16:08

WET CAL CHECK

| Test | AC | Time |
|--------------|-------|-------|
| 01 Room Air | 0.000 | 16:08 |
| 02 Std. Sol. | 0.019 | 16:09 |
| 03 Room Air | 0.000 | 16:10 |
| 04 Std. Sol. | 0.019 | 16:10 |
| 05 Room Air | 0.000 | 16:11 |
| 06 Std. Sol. | 0.019 | 16:12 |
| 07 Room Air | 0.000 | 16:12 |

08 Sim Temp = 34.0°C

Simul Ser No = DR3377
Std Sol No = 13270
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks: *Low AC*
 0.020 AC

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004186
Location = TOXL 8164.13.00 06/09
04/22/2014 16:14

WET CAL CHECK

| Test | AC | Time |
|--------------|-------|-------|
| 01 Room Air | 0.000 | 16:15 |
| 02 Std. Sol. | 0.301 | 16:16 |
| 03 Room Air | 0.000 | 16:16 |
| 04 Std. Sol. | 0.300 | 16:17 |
| 05 Room Air | 0.000 | 16:18 |
| 06 Std. Sol. | 0.300 | 16:18 |
| 07 Room Air | 0.000 | 16:19 |

08 Sim Temp = 34.0°C

Simul Ser No = DR5189
Std Sol No = 13300
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks: 0.300 AC
 HIGH AC

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004186
Location = TOXL 8164.13.00 06/09
04/22/2014 16:20

| Test | AC | Time |
|------------------|-------|-------|
| 01 Room Air | 0.000 | 16:21 |
| 02 *Subject Test | INT* | 16:22 |
| 03 Room Air | 0.000 | 16:22 |

*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
Simul Ser No = DR5189
Std Sol No = 13300
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks: *INTERFERENT CHECK*
0.100 AC + 0.05% ACETONE

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004186
Location = TOXL 8164.13.00 06/09
04/22/2014 16:27

DRY CAL CHECK

| Test | AC | Time |
|-------------|-------|-------|
| 01 Room Air | 0.000 | 16:28 |
| 02 Std. Gas | 0.079 | 16:28 |
| 03 Room Air | 0.000 | 16:29 |
| 04 Std. Gas | 0.079 | 16:29 |
| 05 Room Air | 0.000 | 16:29 |
| 06 Std. Gas | 0.079 | 16:30 |
| 07 Room Air | 0.000 | 16:30 |

Lot No = 33913080A4
Cyl No = 47
Exp Date = 01/01/2016
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks: CALIBRATION CHECK
0.080 AC

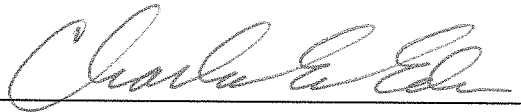
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004186
Location = TOXL 8164.13.00 06/09
04/22/2014 16:30

DRY CAL CHECK

| Test | AC | Time |
|-------------|-------|-------|
| 01 Room Air | 0.000 | 16:31 |
| 02 Std. Gas | 0.079 | 16:31 |
| 03 Room Air | 0.000 | 16:32 |
| 04 Std. Gas | 0.080 | 16:32 |
| 05 Room Air | 0.000 | 16:33 |
| 06 Std. Gas | 0.079 | 16:33 |
| 07 Room Air | 0.000 | 16:34 |

Lot No = 33913080A4
Cyl No = 47
Exp Date = 01/01/2016
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

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 80-004186
Location = TOXL 8164.13.00 06/09
04/22/2014 16:35

DRY CAL CHECK

| Test | AC | Time |
|-------------|-------|-------|
| 01 Room Air | 0.000 | 16:36 |
| 02 Std. Gas | 0.080 | 16:36 |
| 03 Room Air | 0.000 | 16:37 |
| 04 Std. Gas | 0.079 | 16:37 |
| 05 Room Air | 0.000 | 16:38 |
| 06 Std. Gas | 0.080 | 16:38 |
| 07 Room Air | 0.000 | 16:38 |

Lot No = 33913080A4
Cyl No = 47
Exp Date = 01/01/2016
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks: *CALIBRATION CHECK*
 0.080 AC