BrW-005

## INTOXILYZER® 8000 REPAIR AND MAINTENANCE

Intovil	yzer® 8000 Serial Number: 80-00 4/89 Location: 70x L
IIILOXII	yzer 8000 Seriai Number Location
1.	Reported Issue:  INSTRUMENT USED IN CLASSROOM FOR INITIAL 8000 COURSE.  "TANK PRESSURE BELOW MINIMUM" REPORTED. CEE 2-10-21
2.	Found/Determined:  CER 8-10-21 - DIBITAL GAS GUAGE READING ZELO PSI. ANALOG  GAST CEE GAS GUAGE READING APPROXIMATELY 250 PSI.  ANALOG GUAGE READING CORFECTLY, DIGITAL GUAGE BAD.  REPLACE ENTIRE GUAGE ASSEMBLY.
3.	Repair/Maintenance Performed: GAS  CEE 2.10.21 - REPLACED GUAGE ASSEMBLY DURING BLEAK IN CLASS.  PERFORMED THAK SENSOR CAL WITH NEW ASSEMBLY, GAS  PRESSINCE READS CORPECTLY AND ALLOWS EVIDERED TEST.  CHECKED GAS GUAGE FUNCTION BY RUNNING EXPIRED TANK.  CEL 2.23.21 - FINISHANG 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?  If Yes, attach paperwork.  Yes or No
7.	Does the optical bench need a calibration adjustment?  If Yes, attach test records.  Yes o 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.
	PERFORM DRY CALIBRATION CHECK/STABILITY TEST. TO DEMONSTRATE PROPER FUNCTION OF NEW GAS GAUGE ASSEMBLY. CER 2.23.21

03/20 Issuing Authority - ARQ 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 ≤ 0.03 AC.  Sim SN: Lot #: Exp. Date:	AC			
	<ul> <li>☐ High AC (Level 1, C): Known value ≥ 0.25 AC.</li> <li>Sim SN: Lot #: Exp. Date:</li> </ul>	AC			
	$\Box$ Wet Calibration Check results are within ± 0.005 or ± 5% (whichever is greater) of stated AC value.	6			
Config	gure dry gas standard for the following tests: (Level 1, S) Attach test recor	ds.			
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)				
13. Dry Calibration Check/Stability Test (Level 3, T, S, D, 15) Known: <u>0・080</u> AC Ethanol Gas Standard. Lot No. <u>05620 080A</u> Cylinder No. <u>48</u> Expiration Date <u>4.5・2</u> 025					
	Lot No. <u>05620 080A1</u> Cylinder No. <u>48</u> Expiration Date <u>4.</u> Average AC: <u>0.0805</u> Std. Dev. <u>0.0005</u> Rel. Std. Dev. <u>0.0005</u>	.65%			
	irks/Notes: astrument Functioned Propelly During Remaindel of	- INMAZ			
	ASS ON 2/10/21 AND PURING INITIAL 8000 CLASS ON				
[XInst	trument is acceptable to be used in the field.				
/V	Carle Ell 2/23/2021				
Breath	2/23/2021 Date   2/23/2021   Date   2/23/2021   Date   2/23/2021   Date   2/23/2021   Date   2/23/2021   Date   2/23/2021   Date   D				
Revie	2 23 /3021 wed by Date				

03/20 Issuing Authority - ARQ Page 2 of 2

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

CMI, Inc. Intoxilyzer North Dakota Model 8000 Location = TOXL 02/10/2021

Alcohol Analyzer SN 80-004189 8164.14.00 09/16 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

Form 106-I8000

NEW GAS GUAGE ASSEMBLY WORKENE

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	11:10

\*\*\*\*\*\*\*\* 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 #? 05620080A1 Standard Cyl #? Standard Expiration? 04/05/2022 Oper No? 666666

Flow Cal. Date: 02/02/2011 Slope 628 Intercept -452608

IR Calibration Date: 05/19/2016

Oth Coef(\*100): -17767 -18761
1st Coef(\*100): 263439 133606
2nd Coef(\*100): 1960 1140
H2O adj(mg/l\*10k): 341 362

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

Operator Signature CHARLES EDER

Remarks:

Form 106-I8000

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

CMI, Inc. Intoxilyzer Alc North Dakota Model 8000 Location = TOXL 816 02/23/2021

Alcohol Analyzer SN 80-004189 8164.14.00 09/16 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 #: 05620 080A1 CYLA: 48

EXP: 4.5.2022 0-080AC

Form 106-I8000