

INTOXILYZER® 8000 REPAIR AND MAINTENANCE

Intoxilyzer® 8000 Serial Number: 80-005952 Location: TOXL

1. Reported Issue:  
0.083 & 0.084 AC VALUES FOR 0.080 AC STANDARD.

2. Found/Determined:  
DURING CAL. ADJUST, "AUTO CAL FAIL" APPEARED.  
NEED TO REPLACE ANALYTICAL  
CHAMBER.

3. Repair/Maintenance Performed:  
REPLACED ANALYTICAL CHAMBER.  
INITIATED OPTICAL CALIBRATION  
TO CHECK REPAIR. (SEE BELOW.)  
"AUTO CAL" PASSED.

TOXL  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-005952  
04/16/2021 10:36:00

Auto Calibration  
Max Power Res Value = 25  
\*\*\*\* AUTO CAL FAIL

ANALYTICAL CHAMBER WAS ENTIRE ASSEMBLY.

- 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: 9475 psi Regulator: 950 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. NA, SEE NOTE.  
If Yes, state testing required or:  Perform all tests for repair.

NOTE:  
A COMPLETE CALIBRATION  
ADJUSTMENT, INITIAL  
INSPECTION AND ANNUAL  
INSPECTION WILL BE  
PERFORMED.

TOXL  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-005952  
04/16/2021 12:33:52

Auto Calibration  
Max Power Res Value = 4!  
Auto Range Res Value = 18

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: \_\_\_\_\_ AC Ethanol Gas Standard.

Lot No. \_\_\_\_\_ Cylinder No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Average AC: \_\_\_\_\_ Std. Dev. \_\_\_\_\_ Rel. Std. Dev. \_\_\_\_\_

Remarks/Notes:

CALIBRATION ADJUSTMENT, FLOW SENSOR CALIBRATION, INITIAL INSPECTION AND ANNUAL INSPECTION WILL BE DOCUMENTED ON THEIR OWN PAPERWORK.

→ WILL BE DETERMINED BY CALIBRATIONS & INSPECTIONS.

Instrument is acceptable to be used in the field.

Charles Ed  
Breath Analyst Signature

4-16-21  
Date

Kari G. Hieb  
Reviewed by

4-19-21  
Date

TOXL  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-005952  
04/16/2021 10:36:00

Auto Calibration

pg 1 of 2

<<<<< 3um >>>>>  
-----

<<<<< 9um >>>>>  
-----

TOXL  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-005952  
04/16/2021 10:36:00

Auto Calibration

pg 2 of 2

<<<< 3um >>>>  
-----  
Zero Order Coef -212.81  
First Order Coef 2921.32  
Second Order Coef 23.34  
-----

<<<< 9um >>>>  
-----  
-230.57  
1370.92  
12.31  
-----

Act Fit Residual  
(g/210L) (g/210L) (g/210L)  
-----

Act Fit Residual  
(g/210L) (g/210L) (g/210L)  
-----

\*\*\*\*\*CALIBRATION FAILED\*\*\*\*\*

