MEMORANDUM

DATE: 11/18/04

TO: Applied Electronics
448 Grand Avenue
Eagle, Colorado 81631

FROM: Irene Doran
Criminalist/QAS
Tucson Police Department
Crime Laboratory
270 S. Stone Avenue
Tucson, AZ 85701-1917
(520) 791-4494

SUBJECT: Intoxilyzer Repair and Maintenance

Enclosed is Intoxilyzer **64-001226 (#8)**.

The instrument error reads "UNABLE to OBTAIN A STABLE REFERENCE."

Please repair.

CUSTOMER SERVICE REPORT

RECEIVED FROM		DATE 11-29-04	SHIP TO	
CUSTOMER	Tucson Police Dept		CUSTOMER	
DEPT.	Crime Lab	REC'D VIA	DEPT.	
STREET	270 S. Stone Ave		STREET	
CITY	Tucson	COD CHARGE	CITY	
STATE	AZ ZIP 85701		STATE	ZIP
ATTEN:		P.O. NO.	ATTEN:	
PHONE ( )			PHONE ( )	

EQUIPMENT RECEIVED INVENTORY

MODEL 5000	CARRYING CASE ☐	EXTENSION CABLE ☐	KEYBOARD/CABLE Non ☐
SERIAL NO. 64-001226	ECM CABLE ☐	TUNING FORK POUCH ☐	PAT BOX ☐
ANTENNA SER.NO.	REMOTE LOCK ☐	TUNING FORK POUCH ☐	SIMULATOR ☐
ANTENNA SER.NO.	DASH BRACKET ☐	BATTERY PACK ☐	BREATH TUBE ☒
E.C.M./VM SER.NO.	DECK BRACKET ☐	BATTERY CHARGER ☐	☐
TUNING FORK SER.NO.	BAIL BRACKET ☐	A/C POWER CORD Non ☐	☐
TUNING FORK SER.NO.			
MISC.SER.NO.			

CUSTOMER COMPLAINT / SERVICE REQUESTED

Unable to obtain a stable Ref.

CORRECTIVE ACTION TAKEN

Replaced blown voltage Regulator.
Replaced noisy IC on CPU board.
Cleaned optics and printer.
Certified Calibration

DESCRIPTION OF CHARGES	PART NO.	QTY	UNIT PRICE	TOTAL
Voltage Regulator	230013	1		
Integrated Circuit	220096	1		
Calibration Cert		1		
			TOTAL PARTS	
2.8 HRS			TOTAL LABOR	
			TAX	
45 LBS			INSURANCE/ SHIPPING/HANDLING	
			TOTAL	

FACTORY AUTHORIZED WARRANTY
SERVICE FACILITY FOR ALL
CMI AND MPH PRODUCTS

APPLIED ELECTRONICS, INC.
448 GRAND AVE. • P.O. BOX 658 • EAGLE, CO 81631 • Phone: (970) 328-5420

APPLIED ELECTRONICS Inc.

~~55 EAGLE PARK EAST DRIVE~~ 145 GRAND AVE. • P.O. BOX 938 • EAGLE, CO 81631 Phone: (970) 328-5420

STATEMENT OF SERVICE WARRANTY

Applied Electronics warrants that any component having been replaced, to be free of defects in material and workmanship for a period of 90 days from date of delivery to its customer. This warranty is limited to only components that have been replaced during the repair of your product. Applied Electronics obligation is limited to repairing or replacing as we may elect of any component covered under this service warranty.

Any parts or components considered covered by this warranty shall be returned freight prepaid to Applied Electronics. Return freight shall be paid by Applie Electronics.

This warrnaty may be voided if the product has been adversely effected or tampered with in any way.

This service warranty is separate from the original manufacturers warranty. In no event shall Applied Electronics be liable for any loss or damages arising out of any such defective component or workmanship.

CERTIFICATE OF CALIBRATION

This is to certify that the calibration of INTOXILYZER®
serial number 64-00/226 *, was tested and found to be in compliance*
with the National Highway Traffic Safety Administration Standard
for Devices to Measure Breath Alcohol
(3.8 F.R., No. 212 30459-30463 Nov. 5, 1973.)

Date Dec 3, 2004 Signed [signature]
Technician

APPLIED ELECTRONICS

Factory Authorized Service Facility For CMI/MPH Products

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PS

EXHIBIT Q

THIS REPORT PREPARED PURSUANT TO DUTY IMPOSED BY
A.A.C. R9-14-404(A)

ARIZONA DEPARTMENT OF HEALTH SERVICES

STANDARD QUALITY ASSURANCE PROCEDURES
INTOXILYZER MODEL 5000*

AGENCY Tucson Police QA SPECIALIST Irene Doran 46331
(Print Name)

INTOXILYZER SERIAL #64-001226 (#8) LOCATION LAB
DATE December 13 ~~19~~ 2004 TIME 0915
PS

PS Display reads "READY TO START" or "PUSH BUTTON TO START TEST."

DIAGNOSTIC TESTS

PS DVM Test check. Setting should be between .200 and .600. Mode selection switch S2 on, S1 and S3 off or keyboard menu selection "H". Reading is .393.

PS Display Test check. Mode selection switch S1 on and S2 and S3 off or keyboard menu selection "V".

PS Printer Test check. Mode selection switch S1, S2, S3 off or keyboard menu selection "P".

PS Clock time check. Mode selection switch S10 on or keyboard menu selection "E".

PS Date check. Mode selection switch S11 on or keyboard menu selection "E".

OPERATIONAL TESTS

PS Alcohol free subject Test result 0.000 AC

PS Error recognition logic system functioning
Invalid test printed

PS Proper sample recognition system
Invalid sample printed PS
Deficient sample printed PS

N/A Completeness of sample purge with collection tube**

PS Calibration standard 0.080 AC
Results: 0.076AC + 0.076AC

Instrument operating properly and accurately. YES ✓ NO__

COMMENTS: _____

SIGNATURE Irene Doran

Q. N/A PS alcohol concentration standard collected for subsequent analysis.**

*WITH OR WITHOUT VAPOR RECIRCULATION AND WITH OR WITHOUT KEYBOARD
**THIS STEP IS ONLY REQUIRED IF THIS DEVICE IS BEING USED FOR SAMPLE CAPTURE.

DHS/DSLS/Form C117(Rev.7-93)

SN 64-001226 #8 12/13/04
E47.02 09:17
EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH
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HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH
Q307 |----------
Q306 |----------
Q305 |----------
Q302 |----------
Q303 |----------
Q304 |----------
Q301 |----------

SUBJECT'S NAME

TIME FIRST OBSERVED LAB INSTRUMENT LOCATION

46331 OPERATOR

ADDITIONAL INFORMATION AND/OR REMARKS

INTOXILYZER® INSTRUMENT PRINTER CARD

CMI INC

© 1986 by CMI INC.

FEDERAL SIGNAL CORP. / CMI INC
INTOXILYZER - ALCOHOL ANALYZER
AZ MODEL 5000 SN 64-001226
12/13/04 #8

TEST	BAC VALUE	TIME
AIR BLANK	.000	09:21
SUBJECT TEST	.000	09:21
AIR BLANK	.000	09:22

DVM=.393

SUBJECT'S NAME

TIME FIRST OBSERVED LAB INSTRUMENT LOCATION

46331 OPERATOR

ADDITIONAL INFORMATION AND/OR REMARKS

INTOXILYZER® INSTRUMENT PRINTER CARD

CMI INC

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FEDERAL SIGNAL CORP. / CMI INC
INTOXILYZER - ALCOHOL ANALYZER
AZ MODEL 5000 SN 64-001226
12/13/04 #8

TEST	BAC VALUE	TIME
AIR BLANK	.000	09:33
CAL. CHECK	.076	09:34
AIR BLANK	.000	09:34

SUBJECT'S NAME

TIME FIRST OBSERVED

LAB
INSTRUMENT LOCATION

46331
OPERATOR

ADDITIONAL INFORMATION AND/OR REMARKS

INTOXILYZER INSTRUMENT PRINTER CARD

CMI INC

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FEDERAL SIGNAL CORP. / CMI INC
INTOXILYZER - ALCOHOL ANALYZER
AZ MODEL 5000 SN 64-001226
12/13/04 #8

TEST	BAC VALUE	TIME
AIR BLANK	.000	09:35
CAL. CHECK	.076	09:35
AIR BLANK	.000	09:36

SUBJECT'S NAME

TIME FIRST OBSERVED

LAB
INSTRUMENT LOCATION

46331
OPERATOR

ADDITIONAL INFORMATION AND/OR REMARKS

INTOXILYZER INSTRUMENT PRINTER CARD

CMI INC

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Tucson Police Department Crime Laboratory

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SN 84-001226 #8 12/13/94
E47.02 09:22
INVALID TEST
SAMPLE INTRODUCED
AT IMPROPER TIME.

SUBJECT'S NAME

LAB
INSTRUMENT LOCATION

TIME FIRST OBSERVED

46331
OPERATOR

ADDITIONAL INFORMATION AND/OR REMARKS

INTOXILYZER® INSTRUMENT PRINTER CARD

CMI INC.

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EXHIBIT P

THIS REPORT PREPARED PURSUANT TO DUTY IMPOSED BY
A.A.C. R9-14-404(A)

ARIZONA DEPARTMENT OF HEALTH SERVICES

STANDARD QUALITY ASSURANCE PROCEDURES
INTOXILYZER MODEL 5000*

STANDARD CALIBRATION CHECK PROCEDURE

Agency Tucson Police Department Date 12/13/04 Time 0915
Intoxilyzer Serial# 64-001226(#8) Location LAB
QA Specialist Irene Doran 4633
(Print Name)

( ) 1. Pour a standard alcohol solution of known value into a clean dry simulator jar and assemble the simulator. Insure that a tight seal has been made.
Standard value: 0.080 AC

( ) 2. Turn on the simulator and allow the temperature to reach 34°C±.2°C.

( ) 3. Set Intoxilyzer mode selection in the ACA mode by switching mode selection switch #9 on or selecting "C" on keyboard menu.

( ) 4. Attach simulator to the simulator entrance port on the Intoxilyzer.

( ) 5. Intoxilyzer 5000 display reads "READY TO START" or "PUSH BUTTON".

( ) 6. Push Start Test button or press enter on keyboard.

( ) 7. Insert card in response to display.

( ) 8. Air blank completed.

( ) 9. Calibration check completed.
Test results 0.076 + 0.076 AC

( ) 10. Air blank completed.

( ) 11. When display reads Test Complete remove evidence card. Attach the card to the completed checklist.

( ) 12. Return mode selection switch #9 to off position after all calibration checks are complete or type Q and enter on keyboard.

SIGNATURE Irene Doran

*WITH OR WITHOUT VAPOR RECIRCULATION AND WITH OR WITHOUT KEYBOARD

DHS/DSLS/Form C116 (Rev.7-93)

FEDERAL SIGNAL CORP. / CMI INC
INTOXILYZER - ALCOHOL ANALYZER
AZ MODEL 5000 SN 64-001226
12/13/04

#8

TEST	BAC VALUE	TIME
AIR BLANK	.000	09:23
INVALID SAMPLE	.XXX	09:23
AIR BLANK	.000	09:24

SUBJECT'S NAME

LAB
INSTRUMENT LOCATION

TIME FIRST OBSERVED

46331
OPERATOR

ADDITIONAL INFORMATION AND/OR REMARKS

sweet breath

INTOXILYZER® INSTRUMENT PRINTER CARD

CMI INC

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FEDERAL SIGNAL CORP. / CMI INC
INTOXILYZER - ALCOHOL ANALYZER
AZ MODEL 5000 SN 64-001226
12/13/04

#8

TEST	BAC VALUE	TIME
AIR BLANK	.000	09:30
*SUBJECT TEST	.175	09:32
AIR BLANK	.000	09:32

* DEFICIENT SAMPLE - VALUE PRINTED WAS HIGHEST OBTAINED.

SUBJECT'S NAME

LAB
INSTRUMENT LOCATION

TIME FIRST OBSERVED

46331
OPERATOR

ADDITIONAL INFORMATION AND/OR REMARKS

INTOXILYZER® INSTRUMENT PRINTER CARD

CMI INC

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