Crombie Industrial Safety Audit

Date: _____

Technician: _____

Company: _____

Location: _____

MOTOR DATA

MOTOR 1

Use: _____

Frame: _____

Horse Power: _____

RPM: _____

Amperage: _____

	Fuse Size:	Check each line for ground	Check winding resistance	Cold Amps	Hot Amps
L1:					
L2:					
L3:					

MOTOR 2

Use: _____

Frame: _____

Horse Power: _____

RPM: _____

Amperage: _____

	Fuse Size:	Check each line for ground	Check winding resistance	Cold Amps	Hot Amps
L1:					
L2:					
L3:					

MOTOR 3

Use: _____

Frame: _____

Horse Power: _____

RPM: _____

Amperage: _____

	Fuse Size:	Check each line for ground	Check winding resistance	Cold Amps	Hot Amps
L1:					
L2:					
L3:					

MOTOR 4

Use: _____

Frame: _____

Horse Power: _____

RPM: _____

Amperage: _____

	Fuse Size:	Check each line for ground	Check winding resistance	Cold Amps	Hot Amps
L1:					
L2:					
L3:					

INSPECT THE FOLLOWING PRE-IGNITION SAFETIES FOR PROPER OPERATION

Purge Timer	**PASS**	**FAIL**	
Is setting appropriate for furnace:			
Internal dimensions of furnace:	**L:** **W:**	**D:**	
Exhaust Blower *(if not present mark N/A & use combustion blower)* Cubic Feet per Hour:			*See Formula on Page 6, A1*
Combustion Blower Cubic Feet per Hour:			

Excess Temp. Control	**PASS**	**FAIL**	
When temp. exceeds set point, does burner shut down:			*With burner lit. Turn set point below actual temp. Must shut burner off!*

Combustion Blower	**PASS**	**FAIL**

Combustion BlowerAir Pressure Switch	**PASS**	**FAIL**
When pressure is adjusted above pressure of blower, does burner shut off:		

ReCirculation Fan	**PASS**	**FAIL**

Exhaust Fan	**PASS**	**FAIL**

Low Gas Pressure	**PASS**	**FAIL**

High Gas Pressure	**PASS**	**FAIL**

Proof of Valve Closure	**PASS**	**FAIL**

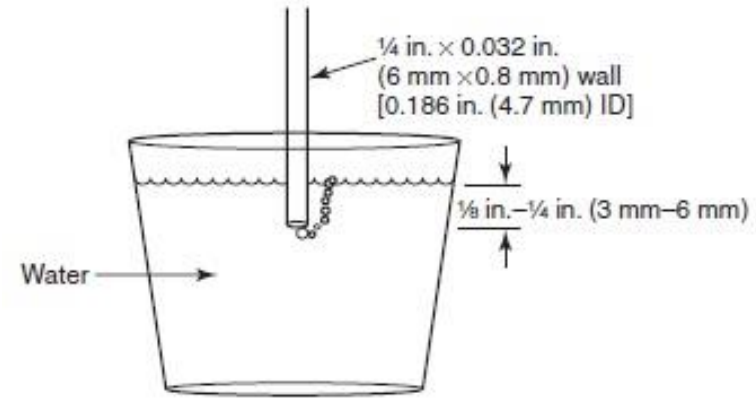
VisualProof of Valve Closure	**PASS**	**FAIL**

Leak Test Valve Train	**PASS**	**FAIL**	
Valve 1			*See Page 5 for Instructions*
Valve 2			

NON CONFORMANCE

CORRECTIVE ACTION

LEAK TEST PROCEDURE



With the oven burner(s) shut off, the equipment isolation valve open, and the manual shutoff valve located downstream of the second safety shutoff valve closed, the procedures are as follows:

1) Connect the tube to leak test valve No. 1
2) Bleed trapped gas by opening leak test valve No. 1
3) Immerse the tube in water. If bubbles appear, the valve is leaking. Contact supervisor for course of action if there is a leak.
4) Apply Auxiliary power to safety shutoff valve No. 1 Close leak test valve No. 1. Connect the tube to leak test valve No. 2 and immerse it in water.
5) Open leak test valve No. 2. If bubbles appear, the valve is leaking. Contact supervisor for course of action if there is a leak.

INSTRUCTIONS

A1 **Purge Timer:**

CuFt of oven or furnace interior or FCE x4 = How much air or inert gas in CFH is required to purge unit

L x W x H = CuFt

* Exhaust blower CFH / 60 = CuFt/min

An oven with an interior (including all chambers) equaling 100CuFt requres 400CuFt of purge air or inert gas to properly purge the unit.

Oven 100 CuFT

Blower 6,000 CuFt

6,000 CFH / 100 CuFt = 60 air changes per hour

60 / 60 min = 1 air change per min

1 min x 4 (Number of air changes required by NFPA) = 4 minute purge time required

* Use combustion blower CFG where exhaust blower is not present