

# COMMERCIAL GAS TESTING AND PURGING RECORD

(USE THIS FORM FOR NON-DOMESTIC INSTALLATIONS ONLY)

Report Ref No: **C2C 0429566**

## REGISTERED BUSINESS DETAILS

Gas Engineer: **N. Funn**  
 Gas Safe registered engineer No: **5689229**  
 Company: **L887** Reg No: **551577**  
 Address: **THE CURVE, LONDON - EAST UK, YEW TREE AVENUE,**  
**DAGENHAM, ESSEX**  
 Postcode: **RM10 7FN** Tel No:

## INSPECTION/INSTALLATION ADDRESS

Name & Title: **THAXTED HOUSE (BOILER ROOM)**  
 Address: **SILVER WAY, DAGENHAM,**  
**ESSEX**  
 Post Code: **RM10 9ST** Tel:  
 Issued to (print name): Date: **13-9-24**

## DECLARATION OF GAS SAFETY

I confirm that all the work described on this form has been satisfactorily completed in accordance with the current Gas Safety (Installation and Use) Regulations, industry standards and procedures. If additional safety checks have been necessary to ensure safety of the gas system, the relevant person has been informed and the results accepted. The engineer has left the installation operational.

Gas Engineers Signature/  
 Responsible person's signature: \_\_\_\_\_  
 Date: **13-9-24**

## CUSTOMER'S NAME & ADDRESS (if different from Inspection/Installation)

Name & Title: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Post Code: \_\_\_\_\_  
 Tel: \_\_\_\_\_

Indicate work undertaken: **TIGHTNESS TEST**

**PURGE**

**STRENGTH TEST**

## DETAILS OF TIGHTNESS TEST

Natural Gas (NG) or LPG?	NG
Installation	E
Weather/Temperature stable?	YES
Meter Type (e.g. Rotary, Diaphragm)	Diaphragm
Meter Designation (e.g. P7, U40, U16)	U100
Has a meter bypass been installed?	NO
Installation Volume (IV): Gas Meter	0.182 m <sup>3</sup>
Installation Pipework & Fittings	0.0641 m <sup>3</sup>
Total IV	0.2461 m <sup>3</sup>
Test medium (gas or air)	GAS
TTP Tightness Test Pressure in mbar/bar	2 mbar
Pressure Gauge (Std 'U' tube/Reduced scale/electronic)	'U' TUBE
MPLR Maximum Permitted Leak Rate m <sup>3</sup> /hour	N/A
Let-by test period existing installations (in minutes)	2
Stabilisation Period (in minutes)	6
TTD Tightness Test Duration (in minutes)	2
Are there any areas with inadequate ventilation to check?	NO
Is barometric pressure correction required?	NO
<b>TIGHTNESS TEST RESULTS</b>	
Actual pressure drop (if any at all)	0 mbar
Actual Leak Rate (m <sup>3</sup> /hour) see over/leaf	N/A
Areas with inadequate ventilation been checked?	N/A
Tightness Test	PASS

## DETAILS OF PURGING PROCEDURE

Has a risk assessment been carried out?	Yes/No
Has a procedure for the purge been documented?	Yes/No/NA
Have necessary warning signs (eg No Smoking) been displayed?	
Have all persons in the vicinity of the purge been advised accordingly?	
Have all valves to and from specific pipework section been labelled?	
If using Nitrogen gas for an indirect purge, have the gas cylinders been checked/verified for their correct content?	
Are suitable type of fire extinguishers available in case of an incident?	
Are two-way radios (must be intrinsically safe) available?	
Are all necessary electrical bonds fitted?	
Calculate Purge Volume: Gas Meter	m <sup>3</sup>
Installation Pipework & Fittings	m <sup>3</sup>
Total Purge Volume	m <sup>3</sup>
Is gas detector intrinsically safe?	Yes/No
Is oxygen measuring device intrinsically safe?	Yes/No
<b>PURGE TEST RESULTS</b>	
Proceed with purge recording final test criteria readings	
O <sub>2</sub> % or LFL%	
Purge Test	Pass/Fail

## DETAILS OF STRENGTH TEST

Components not suitable for strength testing have been removed or isolated prior to test	Yes/NA
Installation	New/New Extension/Existing
Test Method	Hydraulic/Pneumatic
Strength Test Pressure-STP (Calculated)	mbar/bar
Test medium	Air/Nitrogen/Water
Stabilisation Period	mins
Strength test duration STD	% STP
Permitted pressure drop	mbar/bar
Calculated pressure drop	
<b>STRENGTH TEST RESULTS</b>	
Actual pressure drop	mbar/bar
Strength Test	Pass/Fail

## NOTIFICATION OF UNSAFE GAS INSTALLATION

I confirm that all of the above work described on this form has been satisfactorily completed in accordance with the current Gas Safety (Installation and Use) Regulations, industry standards and procedures. However, an unsafe gas installation has been identified, details of which are listed on a separate Warning/Advice Notice.

Gas operative's signature  
 Signature of Responsible person on behalf of client

### REGISTERED BUSINESS DETAILS

Gas Engineer: N. FINN  
 Gas Safe registered engineer No: 5689229  
 Company: LBB17  
 Address: THE CURVE, LONDON - EAST UK, YEW TREE AVENUE,  
DAVENHAM, ESSEX  
 Postcode: RM10 7FN  
 Reg No: 551577  
 Tel No: \_\_\_\_\_

### DECLARATION OF GAS SAFETY

I confirm that all the work described on this form has been satisfactorily completed in accordance with the current Gas Safety (Installation and Use) Regulations, industry standards and procedures.

Gas Engineer's signature

 Date: 13-9-24

### INSPECTION / INSTALLATION ADDRESS

Name & Title: THAXTED HOUSE (Boiler Room)  
 Address: SIVITER way, DAVENHAM,  
ESSEX  
 Post Code: RM10 9ST  
 Issued to (print name): \_\_\_\_\_  
 Tel: \_\_\_\_\_  
 Date: 13-9-24

### CUSTOMER'S NAME & ADDRESS (if different from Inspection / Installation)

Name & Title: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Post Code: \_\_\_\_\_  
 Tel: \_\_\_\_\_

### APPLIANCE DETAILS

	No. 1	No. 2	No. 3
Location:	Boiler Room	Boiler Room	Boiler Room
Type:	Boiler	Boiler	Boiler
Model:	WESSEX Modurmax 200c	WESSEX Modurmax 200c	WESSEX Modurmax 200c
Serial No:	M20608168-1115K	M20608168-0114C	M20608168-0106K
Burner manufacturer (if different):	NA	NA	NA
Flue type:	823	823	823

### COMBUSTION CHECKS

Appliance No.	No. 1		No. 2		No. 3	
	Low	High	Low	High	Low	High
Firing Mode	4.16	2.18	4.3	2.09	4.2	1.96
Heat input rating (kW)	N/A	N/A	N/A	N/A	N/A	N/A
Gas burner pressure (mbar)	42.5	20.77	3.94	19.9	4.02	18.76
Gas rate (m <sup>3</sup> /hr)	N/A	N/A	N/A	N/A	N/A	N/A
Air/gas ratio control setting	15.0	10.5	21.8	22.0	21.5	21.6
Ambient (room) temperature (°C)	70.2	67.4	60.2	69.4	70.6	88.8
Flue gas temperature (°C)	103.4	100.1	101.1	101.1	101.1	101.1
Flue gas temperature net (°C)	4	22	7	28	18	41
Flue draught pressure (mbar)	8.80	8.87	8.88	9.61	8.89	8.91
Oxygen (O <sub>2</sub> ) %	5.5	5.3	5.3	5.1	5.3	5.3
Carbon Monoxide (CO) ppm	4	22	7	28	18	41
Carbon Dioxide (CO <sub>2</sub> ) %	5	15	13	17	14	15
NO <sub>x</sub> %	35.2	34.1	34.0	32.0	33.8	35.6
Excess air %	0.000	0.000	0.000	0.000	0.000	0.000
CO/CO <sub>2</sub> - Ratio	87.2	87.1	88.1	87.7	87.6	86.7
Gross efficiency %	N/A	N/A	N/A	N/A	N/A	N/A
CO flue dilution ppm	N/A	N/A	N/A	N/A	N/A	N/A

### ADDITIONAL CHECKS (Yes/No/NA)

	No. 1	No. 2	No. 3
Flue flow test satisfactory	YES	YES	YES
Spillage test satisfactory	N/A	N/A	N/A
Ventilation satisfactory (see also GENERAL SAFETY CHECKS)	YES	YES	YES
Air/gas pressure switch operating correctly	N/A	N/A	N/A
Flame proving/safety devices operating correctly	YES	YES	YES
Burner lock-out time (seconds)	127	125	121
Temperature and limit thermostats operating correctly	YES	YES	YES
Appliance serviced	YES	YES	YES

### DETAILS OF REMEDIAL WORK REQUIRED:

Dampers showing signs of rust - 1 will be replacing repair works with flueing specialist.

### DETAILS OF WORK DONE:

Annual boiler service, replaced the sugar-savers and ignition probes, cleaned heat exchangers

### GENERAL SAFETY CHECKS (Yes/No/NA)

Gas booster(s)/compressor(s) operating correctly?	N/A
Gas installation tightness test carried out? (if yes see separate form)	YES
Gas installation pipework adequately supported?	YES
Gas installation pipework sleeved/labelled/painted as necessary?	YES
Flue system installed in accordance with appropriate standards?	YES
Flue termination(s) satisfactory?	YES
Fan-flue interlock operating correctly?	N/A

### VENTILATION TYPE

	Natural - Go to item 1	Mechanical - go to item 2
1. Plant room/compartment ventilation	low-level free area (cm <sup>2</sup> )	20811
	high-level free area (cm <sup>2</sup> )	20811
2. Mechanical ventilation	clear and unobstructed?	YES
	inlet (m/s)	N/A
	extract (m/s)	N/A
Mechanical ventilation interlock operating correctly?	N/A	N/A
All ventilation grilles clear and unobstructed?	N/A	N/A

### SAFETY INFORMATION

Has a Warning/Advice Notice been raised?	NO
Have warning labels been attached?	NO
Has responsible person been advised?	N/A

**REGISTERED BUSINESS DETAILS**

Gas Engineer: N. FIRM  
 Gas Safe registered engineer No: 56897229  
 Company: L BIRD  
 Address: THE CURBE, LONDON - EAST UK, YEW TREE AVENUE,  
DAVENHAM, ESSEX  
 Postcode: RM10 7FN  
 Reg No: \_\_\_\_\_  
 Tel No: \_\_\_\_\_

**DECLARATION OF GAS SAFETY**

I confirm that all the work described on this form has been satisfactorily completed in accordance with the current Gas Safety (Installation and Use) Regulations, industry standards and procedures.

Gas Engineer's signature

 Date: 13-9-24
**INSPECTION / INSTALLATION ADDRESS**

Name & Title: THAXTED HOUSE (Boiler Room)  
 Address: SILVER WAY, DAVENHAM,  
ESSEX  
 Post Code: RM10 9ST  
 Issued to (print name): \_\_\_\_\_  
 Date: 13-9-24  
 Tel: \_\_\_\_\_

**CUSTOMER'S NAME & ADDRESS (if different from Inspection / Installation)**

Name & Title: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Post Code: \_\_\_\_\_  
 Tel: \_\_\_\_\_

**APPLIANCE DETAILS**

Location: Boiler Room  
 Type: Boiler  
 Model: WESSEX MODURMAX 2002  
 Serial No: M76608168-0165K  
 Burner manufacturer (if different): \_\_\_\_\_  
 Flue type: B23

No. 2

No. 3

**COMBUSTION CHECKS**

Appliance No.	No. 1		No. 2		No. 3	
	Low	High	Low	High	Low	High
Firing Mode						
Heat input rating (kW)	<u>38.94</u>	<u>38.94</u>				
Gas burner pressure (mbar)	<u>N/A</u>	<u>N/A</u>				
Gas rate (m³/hr)	<u>3.71</u>	<u>4.17</u>				
Air/gas ratio control setting	<u>N/A</u>	<u>N/A</u>				
Ambient (room) temperature (°C)	<u>20.3</u>	<u>20.4</u>				
Flue gas temperature (°C)	<u>67.5</u>	<u>43.5</u>				
Flue gas temperature net (°C)	<u>67.5</u>	<u>43.5</u>				
Flue draught pressure (mbar)	<u>-0.54</u>	<u>0.060</u>				
Oxygen (O₂) %	<u>5.1</u>	<u>5.3</u>				
Carbon Monoxide (CO) ppm	<u>19</u>	<u>44</u>				
Carbon Dioxide (CO₂) %	<u>9.00</u>	<u>8.09</u>				
NOx %	<u>18</u>	<u>15</u>				
Excess air %	<u>32.7</u>	<u>33.6</u>				
CO/CO₂ - Ratio	<u>0.002</u>	<u>0.005</u>				
Gross efficiency %	<u>87.7</u>	<u>86.4</u>				
CO flue dilution ppm	<u>N/A</u>	<u>N/A</u>				

**ADDITIONAL CHECKS (Yes/No/NA)**

	No. 1	No. 2	No. 3
Flue flow test satisfactory	<u>YES</u>		
Spillage test satisfactory	<u>N/A</u>		
Ventilation satisfactory (see also GENERAL SAFETY CHECKS)	<u>YES</u>		
Air/gas pressure switch operating correctly	<u>N/A</u>		
Flame proving/safety devices operating correctly	<u>YES</u>		
Burner lock-out time (seconds)	<u>130</u>		
Temperature and limit thermostats operating correctly	<u>YES</u>		
Appliance serviced	<u>YES</u>		

**DETAILS OF REMEDIAL WORK REQUIRED:**

Flue Dampers separate sides of R45T - 1  
will be DRAINING REPAIR WORKS WITH  
Flue Specialist.

**DETAILS OF WORK DONE:**

Annual boiler service, replaced hot  
surface water and rainwater pipes.

**GENERAL SAFETY CHECKS (Yes/No/NA)**

Gas booster(s)/compressor(s) operating correctly?	<u>N/A</u>
Gas installation tightness test carried out? (if yes see separate form)	<u>YES</u>
Gas installation pipework adequately supported?	<u>YES</u>
Gas installation pipework sleeved/labelled/painted as necessary?	<u>YES</u>
Flue system installed in accordance with appropriate standards?	<u>YES</u>
Flue termination(s) satisfactory?	<u>YES</u>
Fan-flue interlock operating correctly?	<u>N/A</u>

**VENTILATION TYPE** Natural - Go to item 1 Mechanical - go to item 2

1. Plant room/compartiment ventilation	low-level free area (cm²)	<u>208(L)</u>
	high-level free area (cm²)	<u>208(L)</u>
All ventilation grilles clear and unobstructed?		<u>YES</u>
2. Mechanical ventilation flow rate	inlet (m³/s)	<u>N/A</u>
	extract (m³/s)	<u>N/A</u>
Mechanical ventilation interlock operating correctly?		<u>N/A</u>
All ventilation grilles clear and unobstructed?		<u>N/A</u>

**SAFETY INFORMATION**

Has a Warning/Advice Notice been raised?	<u>NO</u>
Have warning labels been attached?	<u>NO</u>
Has responsible person been advised?	<u>N/A</u>