Summary Report for Boiler Efficiency Testing and Other Faults 2014
(Permit Ref 2.2.8 Variation V003 Table S2)

Emission point A35 Factory No.1 Hydro setting oven lane 1 - Copy of report provided.
No faults identified and boiler efficiency satisfactory. Complete.

Emission point A36 Factory No.1 Hydro setting oven lane 2 - Copy of report provided.
No faults identified and boiler efficiency satisfactory. Complete.

Emission point A38 Factory No.2 Pellet Caster, Gas Burner Stack No.1 - Copy of report provided.
Flame probe replaced and boiler efficiency satisfactory. Complete.

Emission point A39 Factory No.2 Pellet Caster, Gas Burner Stack No.2 - Copy of report provided.
No faults identified and boiler efficiency satisfactory. Complete.

Emission point A46 Factory No.1 Gas Drying Oven No.1 Burner - Copy of report provided.
Ignition electrode replaced and boiler efficiency satisfactory. Complete

Emission point A48 Factory No.1 Gas Drying Oven No.2 Burner - Copy of report provided.
Ignition electrode replaced and boiler efficiency satisfactory. Complete.

Emission point A50 Factory No.1 Gas Drying Oven No.3 Burner - Copy of report provided.
Ignition electrode replaced and boiler efficiency satisfactory. Complete.

Emission point A52 Factory No.1 Gas Drying Oven No.9 Burner - Copy of report provided.
Ignition electrode replaced and boiler efficiency satisfactory. Complete.

Emission point A54 Factory No.1 Gas Drying Oven No.10 Burner - Copy of report provided.
Ignition electrode replaced and boiler efficiency satisfactory. Complete

Emission point A57 Factory No.3 South East, Combat Heater No.2 - Copy of report provided.
No faults identified and boiler efficiency satisfactory. Complete.

Emission point A58 Factory No.3 North East Combat Heater No.3 - Copy of Report provided.
No faults identified and boiler efficiency satisfactory. Complete.

Emission point A62 Factory No.1 Hydro setting oven lanes 3 and 4 - Copy of Report provided.
No faults identified and boiler efficiency satisfactory. Complete.

Emission point A63 Factory No.2 Combat Heater No.5 - Copy of Report provided.
No faults identified and boiler efficiency satisfactory. Complete.

Note:
Due to the characteristics of the equipment listed below, conventional combustion analysers are not suited to the application.
Emission points A10 Factory No.1 Grid Casting Aging Oven No. 1.

Emission points A21 Factory No.1 Grid Casting Aging Oven No. 2.

Emission point A44 Factory No.1 Flash Drying Oven No.2.

Emission point A45 Factory No.1 Flash Drying Oven No.3.

Emission point A61 Factory No.1 Dross Recycling Burner.

The following have been decommissioned therefore are not subject to annual testing:-
Emission point A56 Factory No.3 South West, Combat Heater No.1, - Not in service. Decommissioned.

Emission point A59 Factory No.2 0.85MW_{th} Steam Boiler - No report provided. Not in service.

Emission point A60 Factory No.2 1.75MW_{th} Steam Boiler - No report provided. Not in service.

Emission point A64 Factory No.1 Previously Combat Heater No.5 – Unit transferred to emission point A63.

PHOENIX AIRCON LIMITED

HEATING, AIR CONDITIONING AND REFRIGERATION ENGINEERS

CLIENT:	Rossa Batteries
SITE LOCATION:	Rossan ind est Strabane
CONTACT:	

ARR. TIME:	8:30
DEP. TIME:	9.45
NORMAL HRS:	1 1/4
TRAVEL HRS:	3/4
ABNORMAL HRS:	
TRAVEL HRS:	
TOTAL HRS:	2
MILEAGE:	

SAT:		SUN:
ENGINEER:		
DATE:	17 Dec 14	
VEHICLE REG:	CP57 EAS	
Work Complete?	YES	NO
Separate Report?	YES	NO
CHECK DATE:		

REPORT:

Model:	Ceiling overs 1 2 3 + 4.
Serial No:	
Location:	Factory floor.

18632

travel to site
gain access to machines
get readings set up
take Readings of Burners that are running
and get staff to fire up Boiler Burners not
in operation to get test results

MATERIALS USED

Order Number	Supplier	Details	£	p
		MATERIAL TOTAL		

MATERIALS REQUIRED:

ENGINEER'S SIGNATURE:

SUMMARY OF CHARGES (For Office use only)		£	p
Normal Hours	@		
Overtime Hours	@		
Mates Hours	@		
Mileage	@		
	LABOUR TOTAL		
	INVOICE TOTAL		

CLIENT'S SIGNATURE:

Telephone: 01495 755142 or 757116 • Fax: 01495 767927 • www.phoenixaircon.co.uk • Email: sales@phoenixaircon.co.uk

HYDRO SETTING
3+4
62

TPI709R

Date : 17/12/14
Time : 10:11

Fuel : Natural Gas

------- Report -------

CO(ppm) :	28
O2(%) :	16.2
CO2(%) :	2.6
Ratio(CO/CO2) :	0.0010
CO Air Free(ppm):	124
Excess Air(%) :	344
Net_Effi(%) :	97.9
Temp_CH1(C) :	35
Temp_CH2(C) :	Open

Smoke : 1 2 3 4 5

Customer :

Address :

Reading Accepted by :

10:11, 17/12/14

HYDRO SETTING
LANE 2
36

TPI709R

Date : 17/12/14
Time : 09:1

Fuel : Natural Gas

------- Report -------

CO(ppm) :	38
O2(%) :	17.5
CO2(%) :	1.9
Ratio(CO/CO2) :	0.0019
CO Air Free(ppm):	233
Excess Air(%) :	514
Net_Effi(%) :	94.6
Temp_CH1(C) :	37
Temp_CH2(C) :	Open

Smoke : 1 2 3 4 5

Customer :

Address :

Reading Accepted by :

09:52, 17/12/14

HYDRO SETTING
LANE 1
35

TPI709R

Date : 17/12/14
Time : 10:06

Fuel : Natural Gas

------- Report -------

CO(ppm) :	14
O2(%) :	13.1
CO2(%) :	4.4
Ratio(CO/CO2) :	0.0003
CO Air Free(ppm):	38
Excess Air(%) :	167
Net_Effi(%) :	98.6
Temp_CH1(C) :	34
Temp_CH2(C) :	Open

Smoke : 1 2 3 4 5

Customer :

Address :

Reading Accepted by :

10:07, 17/12/14

Installer Ref No: _____

PLANT COMMISSIONING/SERVICING RECORD (NON-DOMESTIC)

To confirm the validity of the gas operative please contact Gas Safe Register on Tel: 0800 408 5500

Registered Business: TREMORFA LTD
Address: CYPRESS HOUSE, ASCOT CLOSE, CARDIFF
Postcode: CF3 0LW
Tel No: 029 20 330000

Registration No: 192725
Operative licence No: 33662983
Date: 03/11/14
Print Name: C JENKINS
Position held: CONTRACTS MANAGER

Job address:
Name: YUASA BATTERY (UK)
Address: RASSAU IND. EST., EBBW VALE
Postcode: NP23 5SD Tel No: 01495 350121
Received by (signature): _____

Client details if different:
Name: _____
Address: _____
Postcode: _____ Tel No: _____

Appliance details	No. 1	No. 2	No. 3
Location:	A38 FACTORY 2	A39 FACTORY 2	
Type:	PELLET CASTER	PELLET CASTER FBR.	
Model:	NU WAY		
Serial No:	N/A	N/A	
Burner manufacturer (if different):	FMP 10	N/A	
Flue type:	C/F	C/F	

Combustion checks

Appliance No.	No.1		No.2		No.3	
Firing mode	Low	High	Low	High	Low	High
Heat input rating (kW)						
Gas burner pressure (mbar)			SEE ATTACHED			
Gas rate (m³/hr)						
Air/gas ratio control setting						
Ambient (room) temperature (°C)						
Flue gas temperature (°C)						
Flue gas temperature net (°C)						
Flue draught pressure (mbar)						
Oxygen (O_2) %						
Carbon Monoxide (CO) ppm						
Carbon Dioxide (CO_2) %						
NO_x %						
Excess air %						
CO/CO_2 – Ratio						
Gross efficiency %						
CO flue dilution ppm						

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)?	NO
Gas installation pipework adequately supported?	YES
Gas installation pipework sleeved/labelled/painted as necessary?	YES
Chimney system installed in accordance with appropriate standards?	YES
Chimney outlet termination(s) satisfactory?	YES
Fan-flue interlock operating correctly?	N/A

Ventilation type – Natural (go to item 1.) Mechanical (go to item 2.)

1. Room/boiler room/enclosure	low-level free area (cm²)	
	high-level free area (cm²)	
Is ventilation satisfactory Yes/No? (if No, see Details of remedial work required)		N/A
2. Mechanical ventilation flow rate	inlet (m³/s)	
	extract (m³/s)	
Mechanical ventilation interlock operating correctly?		
Is ventilation satisfactory Yes/No? (if No, see Details of remedial work required)		

Details of work carried out

QUARTERLY SERVICE.

Additional checks (Yes/No/NA)	No.1	No.2	No.3
Flue flow test satisfactory?	✓	✓	
Spillage test satisfactory?	✓	✓	
Ventilation satisfactory (see also Ventilation type)?	✓	✓	
Air/gas pressure switch operating correctly?	✓	✓	
Flame proving/safety devices operating correctly?	✓	✓	
Burner lock-out time (seconds)	<15	✓	
Temperature and limit thermostats operating correctly?	✓	✓	
Appliance serviced?	✓	✓	

Details of remedial work required

REPLACED FLAME PROBE ASSEMBLY ON NO 1 PELLET CASTER (A38)

Safety Information (Yes/No)		If Warning/Advice Notice issued, insert Serial No:
Has a Warning/Advice Notice been raised?	NO	
Have warning labels been attached?		
Has responsible person been advised?		

DECLARATION OF GAS SAFETY – 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, standards and procedures.

Gas operative's signature _____

Key: Top Copy – Responsible person. Second Copy – Gas Operative

* Refer to separate Warning/Advice Notice

To re-order quote Ref. CP15

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A39

K455 V'1.83B

TREMORFA Ltd.
02920 330000

SERIAL NO. 182813104

DATE 08/11/14
TIME 10:10:47

COMBUSTION

FUEL		NAT GAS
O2 %		7.8
CO2 %		7.4
CO ppm		11
FLUE	°C	400.5
INLET	°C	14.8
NETT	°C	385.7
EFF (G)		68.3
LOSSES		31.7
XAIR %		59.5

Cal. due on 17/07/15

CO/CO2 0.0001

PRS mbar 0.00

YUASA
Customer

Appliance

PELLET CASTER
Ref. Nº2

A38

K455 V'1.83B

TREMORFA Ltd.
02920 330000

SERIAL NO. 182813104

DATE 08/11/14
TIME 10:09:17

COMBUSTION

FUEL		NAT GAS
O2 %		7.8
CO2 %		7.4
CO ppm		12
FLUE	°C	372.8
INLET	°C	14.8
NETT	°C	358.0
EFF (G)		69.9
LOSSES		30.1
XAIR %		59.5

Cal. due on 17/07/15

CO/CO2 0.0001

PRS mbar 0.00

YUASA
Customer

Appliance

PELLET CASTER
Ref. Nº 1

Installer Ref No: _____

PLANT COMMISSIONING/SERVICING RECORD (NON-DOMESTIC)

To confirm the validity of the gas operative please contact Gas Safe Register on Tel: 0800 408 5500

Registered Business: TREMORFA LTD
Address: CYPRESS HOUSE, PASCAL CLOSE, CARDIFF
Postcode: CF 3 0LW
Tel No: 029 20 33 00 00

Registration No: 192725
Operative licence No: 33662283
Date: 3/11/14
Print Name: C JENKINS
Position held: CONTRACTS MANAGER

Job address:
Name: YUASA BATTERY (UK)
Address: RASSAU IND. EST, EBBW VALE
Postcode: NP 23 5SD Tel No: 01495 350121
Received by (signature): _____

Client details if different:
Name: _____
Address: _____
Postcode: _____ Tel No: _____

Appliance details	A46 No. 1	A48 No. 2	A50 No. 3
Location:	FACTORY 1	FACTORY 1	FACTORY 1
Type:	CURING OVEN 1	CURING OVEN 2	CURING OVEN 3
Model:	TC WILLIAMS	TC WILLIAMS	TC WILLIAMS
Serial No:	N/A	N/A	N/A.
Burner manufacturer (if different):	WHIRLWIND	WHIRLWIND	WHIRLWIND
Flue type:	C/F	C/F	C/F

Combustion checks

Appliance No.	No.1		No.2		No.3	
Firing mode	Low	High	Low	High	Low	High
Heat input rating (kW)						
Gas burner pressure (mbar)			SEE ATTACHED			
Gas rate (m³/hr)						
Air/gas ratio control setting						
Ambient (room) temperature (°C)						
Flue gas temperature (°C)						
Flue gas temperature net (°C)						
Flue draught pressure (mbar)						
Oxygen (O_2) %						
Carbon Monoxide (CO) ppm						
Carbon Dioxide (CO_2) %						
NO_x %						
Excess air %						
CO/CO_2 – Ratio						
Gross efficiency %						
CO flue dilution ppm						

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)?	NO
Gas installation pipework adequately supported?	YES
Gas installation pipework sleeved/labelled/painted as necessary?	YES
Chimney system installed in accordance with appropriate standards?	YES
Chimney outlet termination(s) satisfactory?	YES
Fan-flue interlock operating correctly?	N/A.

Ventilation type – Natural (go to item 1.) Mechanical (go to item 2.)

1. Room/boiler room/enclosure	low-level free area (cm²)	
	high-level free area (cm²)	
Is ventilation satisfactory Yes/No? (If No, see Details of remedial work required)		N/A
2. Mechanical ventilation flow rate	inlet (m³/s)	
	extract (m³/s)	
Mechanical ventilation interlock operating correctly?		
Is ventilation satisfactory Yes/No? (if No, see Details of remedial work required)		

Additional checks (Yes/No/NA)

	No.1	No.2	No.3
Flue flow test satisfactory?	✓	✓	✓
Spillage test satisfactory?	✓	✓	✓
Ventilation satisfactory (see also Ventilation type)?	✓	✓	✓
Air/gas pressure switch operating correctly?	✓	✓	✓
Flame proving/safety devices operating correctly?	✓	✓	✓
Burner lock-out time (seconds)	4|5	✓	✓
Temperature and limit thermostats operating correctly?	✓	✓	✓
Appliance serviced?	✓	✓	✓

Details of work carried out

QUARTERLY SERVICE. REPLACE IGNITION ELECTRODES.

Details of remedial work required

NONE.

Safety Information (Yes/No)

		If Warning/Advice Notice issued, insert Serial No*
Has a Warning/Advice Notice been raised?	NO	
Have warning labels been attached?		
Has responsible person been advised?		

DECLARATION OF GAS SAFETY – 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, standards and procedures.

Gas operative's signature _____

Key: Top Copy – Responsible person. Second Copy – Gas Operative

* Refer to separate Warning/Advice Notice

To re-order quote Ref. CP15

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A50

K455 V 1.83B

TREMORFA Ltd.
02920 330000

SERIAL NO. 182813104

DATE 08/11/14
TIME 08:48:26

COMBUSTION

FUEL		NAT GAS
O2 %		5.8
CO2 %		8.6
CO PPM		14
FLUE	°C	203.7
INLET	°C	13.7
NETT	°C	190.0
EFF (G)		80.6
LOSSES		19.4
XAIR %		38.4
Cal. due on 17/07/15		
CO/CO2		0.0001
PRS mbar		-0.00

YUASA
Customer

Appliance OVEN Nº 3

Ref. 5.1MD

A48

K455 V 1.83B

TREMORFA Ltd.
02920 330000

SERIAL NO. 182813104

DATE 08/11/14
TIME 08:59:02

COMBUSTION

FUEL		NAT GAS
O2 %		8.6
CO2 %		7.0
CO PPM		38
FLUE	°C	186.4
INLET	°C	10.3
NETT	°C	176.1
EFF (G)		79.7
LOSSES		20.3
XAIR %		69.9
Cal. due on 17/07/15		
CO/CO2		0.0005
PRS mbar		0.00

YUASA
Customer

Appliance OVEN Nº 2

Ref. 5.2MD

A46

K455 V 1.83B

TREMORFA Ltd.
02920 330000

SERIAL NO. 182813104

DATE 08/11/14
TIME 09:08:45

COMBUSTION

FUEL		NAT GAS
O2 %		5.1
CO2 %		9.0
CO PPM		17
FLUE	°C	194.8
INLET	°C	10.7
NETT	°C	184.1
EFF (G)		81.2
LOSSES		18.8
XAIR %		32.2
Cal. due on 17/07/15		
CO/CO2		0.0001
PRS mbar		-0.00

YUASA
Customer

Appliance OVEN Nº 1

Ref. 5.0MD

Installer Ref No: _____

PLANT COMMISSIONING/SERVICING RECORD (NON-DOMESTIC)

To confirm the validity of the gas operative please contact Gas Safe Register on Tel: 0800 408 5500

Registered Business: TREMORFA LTD
Address: CYPRESS HOUSE, PASCAL CLOSE, CARDIFF
Postcode: CF3 0LW
Tel No: 029 20 330000

Registration No: 192725
Operative licence No: 3366 2583
Date: 28/11/14
Print Name: C JENKINS
Position held: CONTRACTS MANAGER

Job address:
Name: YUASA BATTERY (UK)
Address: RASSAU IND EST, EBBW VALE
Postcode: CF23 5SD **Tel No:** 01495 350121
Received by (signature): _____

Client details if different:
Name: _____
Address: _____
Postcode: _____ **Tel No:** _____

Appliance details	No. 1	No. 2	No. 3
Location:	A52 FACTORY 1	A54 FACTORY 1	
Type:	CURING OVEN 9	CURING OVEN 10	
Model:	WHIRLWIND	WHIRLWIND	
Serial No:	N/A	N/A	
Burner manufacturer (if different):	TC WILLIAMS	TC WILLIAMS	
Flue type:	C/F	C/F.	

Combustion checks

Appliance No.	No.1		No.2		No.3	
Firing mode	Low	High	Low	High	Low	High
Heat input rating (kW)						
Gas burner pressure (mbar)			SEE			
Gas rate (m³/hr)			ATTACHED			
Air/gas ratio control setting						
Ambient (room) temperature (°C)						
Flue gas temperature (°C)						
Flue gas temperature net (°C)						
Flue draught pressure (mbar)						
Oxygen (O_2) %						
Carbon Monoxide (CO) ppm						
Carbon Dioxide (CO_2) %						
NO_x %						
Excess air %						
CO/CO_2 – Ratio						
Gross efficiency %						
CO flue dilution ppm						

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)?	NO
Gas installation pipework adequately supported?	YES
Gas installation pipework sleeved/labelled/painted as necessary?	YES
Chimney system installed in accordance with appropriate standards?	YES
Chimney outlet termination(s) satisfactory?	YES
Fan-flue interlock operating correctly?	N/A

Ventilation type – Natural (go to item 1.) Mechanical (go to item 2.)

1. Room/boiler room/enclosure	low-level free area (cm²)	
	high-level free area (cm²)	
Is ventilation satisfactory Yes/No? (if No, see Details of remedial work required)		
2. Mechanical ventilation flow rate	inlet (m³/s)	
	extract (m³/s)	
Mechanical ventilation interlock operating correctly?		
Is ventilation satisfactory Yes/No? (if No, see Details of remedial work required)		

Additional checks (Yes/No/NA)

	No.1	No.2	No.3
Flue flow test satisfactory?	✓	✓	
Spillage test satisfactory?	✓	✓	
Ventilation satisfactory (see also Ventilation type)?	✓	✓	
Air/gas pressure switch operating correctly?	✓	✓	
Flame proving/safety devices operating correctly?	✓	✓	
Burner lock-out time (seconds)	4	5	
Temperature and limit thermostats operating correctly?	✓	✓	
Appliance serviced?	✓	✓	

Details of work carried out

QUARTERLY SERVICE. REPLACE IGNITION ELECTRODES.

Details of remedial work required

NONE.

Safety Information (Yes/No)

		If Warning/Advice Notice issued, insert Serial No*
Has a Warning/Advice Notice been raised?	NO	
Have warning labels been attached?		
Has responsible person been advised?		

DECLARATION OF GAS SAFETY – 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, standards and procedures.

Gas operative's signature _____

Key: Top Copy – Responsible person. Second Copy – Gas Operative

* Refer to separate Warning/Advice Notice

To re-order quote Ref. CP15

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A54

K455 V 1.83B

TREMORFA Ltd.
02920 330000

SERIAL NO. 182813104

DATE 08/11/14
TIME 09:16:54

COMBUSTION

FUEL		NAT GAS
O2 %		5.4
CO2 %		8.8
CO ppm		16
FLUE	°C	257.4
INLET	°C	11.8
NETT	°C	245.6
EFF (G)		78.0
LOSSES		22.0
XAIR %		34.8

Cal. due on 17/07/15

CO/CO2 0.0001

PRS mbar 0.00

YUASA
Customer

Appliance
OVEN Nº 10

Ref.
4:6nb

A52

K455 V 1.83B

TREMORFA Ltd.
02920 330000

SERIAL NO. 182813104

DATE 08/11/14
TIME 09:24:26

COMBUSTION

FUEL		NAT GAS
O2 %		6.7
CO2 %		8.1
CO ppm		11
FLUE	°C	263.8
INLET	°C	14.6
NETT	°C	249.2
EFF (G)		77.0
LOSSES		23.0
XAIR %		47.1

Cal. due on 17/07/15

CO/CO2 0.0001

PRS mbar -0.00

YUASA
Customer

Appliance
OVEN Nº 9

Ref.
4:9 nb

Installer Ref No: _____

PLANT COMMISSIONING/SERVICING RECORD (NON-DOMESTIC)

To confirm the validity of the gas operative please contact Gas Safe Register on Tel: 0800 408 5500

Registered Business: TREMORFA LTD
Address: CYPRESS HOUSE, PASCAL CLOSE, CARDIFF
Postcode: CF3 0LW
Tel No: 029 20330000

Registration No: 192725
Operative licence No: 33662663
Date: 05/11/14
Print Name: C JENKINS
Position held: CONTRACTS MANAGER

Job address:
Name: YUASA BATTERY (UK)
Address: RAGLAN IND EST, BARRY VALE
Postcode: ND23 5SD Tel No: 01495 350121
Received by (signature): _____

Client details if different:
Name: _____
Address: _____
Postcode: _____ Tel No: _____

Appliance details	A57 No. 1	A58 No. 2	A63 No. 3
Location:	FACTORY 3	FACTORY 3	FACTORY 2
Type:	AIR HEATER	AIR HEATER	AIR HEATER
Model:	G30	G30	G30
Serial No:	N/A	N/A	N/A
Burner manufacturer (if different):	COMBAT	COMBAT	COMBAT
Flue type:	C/F	C/F	C/F

Combustion checks

Appliance No.	No.1		No.2		No.3	
Firing mode	Low	High	Low	High	Low	High
Heat input rating (kW)						
Gas burner pressure (mbar)			SEE			
Gas rate (m³/hr)			ATTACHED			
Air/gas ratio control setting						
Ambient (room) temperature (°C)						
Flue gas temperature (°C)						
Flue gas temperature net (°C)						
Flue draught pressure (mbar)						
Oxygen (O_2) %						
Carbon Monoxide (CO) ppm						
Carbon Dioxide (CO_2) %						
NO_x %						
Excess air %						
CO/CO_2 – Ratio						
Gross efficiency %						
CO flue dilution ppm						

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)?	NO
Gas installation pipework adequately supported?	YES
Gas installation pipework sleeved/labelled/painted as necessary?	YES
Chimney system installed in accordance with appropriate standards?	YES
Chimney outlet termination(s) satisfactory?	YES
Fan-flue interlock operating correctly?	N/A.

Ventilation type – Natural (go to item 1.) Mechanical (go to item 2.)

1. Room/boiler room/enclosure	low-level free area (cm²)	
	high-level free area (cm²)	
Is ventilation satisfactory Yes/No? (if No, see Details of remedial work required)		N/A
2. Mechanical ventilation flow rate	inlet (m³/s)	
	extract (m³/s)	
Mechanical ventilation interlock operating correctly?		
Is ventilation satisfactory Yes/No? (if No, see Details of remedial work required)		

Additional checks (Yes/No/NA)

	No.1	No.2	No.3
Flue flow test satisfactory?	✓	✓	✓
Spillage test satisfactory?	✓	✓	✓
Ventilation satisfactory (see also Ventilation type)?	✓	✓	✓
Air/gas pressure switch operating correctly?	✓	✓	✓
Flame proving/safety devices operating correctly?	✓	✓	✓
Burner lock-out time (seconds)	4 s	✓	✓
Temperature and limit thermostats operating correctly?	✓	✓	✓
Appliance serviced?	✓	✓	✓

Details of work carried out

QUARTERLY SERVICE.

Details of remedial work required

NONE

Safety Information (Yes/No)		If Warning/Advice Notice issued, insert Serial No*
Has a Warning/Advice Notice been raised?	NO	
Have warning labels been attached?		
Has responsible person been advised?		

DECLARATION OF GAS SAFETY – 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, standards and procedures.

Gas operative's signature _____

Key: Top Copy – Responsible person. Second Copy – Gas Operative

* Refer to separate Warning/Advice Notice

To re-order quote Ref. CP15

Gas Safe is a registered trade mark of the HSE and is used under licence.

A63

K455 V 1.83B

TREMORFA Ltd.
02920 330000

SERIAL NO. 182813104

DATE 08/11/14
TIME 10:08:14

COMBUSTION

FUEL		NAT GAS
O2 %		7.3
CO2 %		7.7
CO PPM		18
FLUE	°C	308.3
INLET	°C	14.8
NETT	°C	293.5
EFF (G)		74.3
LOSSES		25.7
XAIR %		53.6

Cal. due on 17/07/15

CO/CO2 0.0002

PRS mbar -0.00

YUASA
Customer

Appliance
COMBAT Nº 5
Ref.

A58

K455 V 1.83B

TREMORFA Ltd.
02920 330000

SERIAL NO. 182813104

DATE 08/11/14
TIME 10:02:19

COMBUSTION

FUEL		NAT GAS
O2 %		7.3
CO2 %		7.7
CO PPM		15
FLUE	°C	378.9
INLET	°C	16.1
NETT	°C	362.8
EFF (G)		70.2
LOSSES		29.8
XAIR %		53.6

Cal. due on 17/07/15

CO/CO2 0.0001

PRS mbar 0.00

YUASA
Customer

Appliance
COMBAT Nº 3
Ref.

A57

K455 V 1.83B

TREMORFA Ltd.
02920 330000

SERIAL NO. 182813104

DATE 08/11/14
TIME 10:19:33

COMBUSTION

FUEL		NAT GAS
O2 %		7.1
CO2 %		7.8
CO PPM		10
FLUE	°C	306.3
INLET	°C	10.4
NETT	°C	295.9
EFF (G)		74.1
LOSSES		25.9
XAIR %		51.4

Cal. due on 17/07/15

CO/CO2 0.0001

PRS mbar 0.02

YUASA
Customer

Appliance
COMBAT Nº 1
Ref.