

Our Ref.: G6S103670/225/CB3/PL1/RMP/F5

Date: 17th May 2019

**EAST DUNBARTONSHIRE COUNCIL
FACILITIES MANAGEMENT - SCHOOLS
Balmuldy Primary School
Stirling Drive
Bishopbriggs
Glasgow
Strathclyde
G64 3AJ**

For the attention of [REDACTED]

Inspection Details

Type : Policy
Number : G6S103670-225 Report Nos. : 001-006
Class : Boiler/Pressure Plant
Surveyor : [REDACTED]
Date : 16th May 2019
Location : As above

Dear Sirs

Our Engineer Surveyor attended as above in order to carry out the examination detailed.

We enclose for your files the requisite examination report, for you to retain for perusal, if required, by the Health and Safety Executive, detailing our remarks for your attention. Observations and comments made in our reports are for your own consideration as to the extent of repair or other maintenance work which you intend to undertake. The company has no liability for instructions to undertake work on any item other than those which require action within a defined period under the requirements of the relevant Statutory Act to which the examination contract refers.

The following item of calibrated equipment was used by our Engineer Surveyor to carry out part or all of the examinations listed in this report:

- Ultrasonic Thickness Meter, Serial No. SC15697, calibration due date: 21.09.20

In accordance with our accreditation procedures, you may reproduce the attached report in whole, or in part for use by yourselves or a third party. The examination methods and procedures used to comply with the detailed particular Statutory Regulations, which are applicable to the Plant, are stated in the inspection methods and procedures as documented in Section 7.1 of the Company Quality Assurance Policy (Manual).

The attached documentation contains reports on some items of plant and machinery which were not subject to inspection to any particular Regulation. The items concerned are identified and the responsibility for compliance with any regulations deemed applicable by Regulatory Authorities or any other party, in their operation and usage, rests with the owner/user. If you wish any such equipment inspected in accordance with a specific criteria, this must be detailed in the Policy/Contract prior to the inspection taking place.

Risk Solutions

HSB Engineering Insurance Services Limited
Chancery Place, 50 Brown Street,
Manchester M2 2JT
Telephone: 0845 345 5510
Fax: 0845 345 5610
Web: www.hsbeil.com

Registered in England and Wales: 03010292
Registered office: New London House,
6 London Street, London EC3R 7LP
Registered as a branch in Ireland: 906105



HSB Engineering Insurance

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**EAST DUNBARTONSHIRE COUNCIL
FACILITIES MANAGEMENT - SCHOOLS**

We should like to thank you for the courtesy extended by your staff to us during the examination, and trust that you find our services to your satisfaction.

Yours faithfully
HSB ENGINEERING INSURANCE SERVICES LTD.

HSB Customer Solutions Centre.

Risk Solutions

HSB Engineering Insurance Services Limited
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HSB Engineering Insurance

REPORT OF EXAMINATION OF SYSTEM OR PARTS THEREOF

Policy: G6S0103670

Plant Code: B05A12

Previous Report: 190618-002-0051EAW

Site: 00225

Schedule: B0009

Report Number: 170519-001-0053PL1

WRITTEN SCHEME NUMBER: WS01

PS1

| | |
|---|--|
| 1. Name and address of owner | EAST DUNBARTONSHIRE COUNCIL FACILITIES MANAGEMENT - SCHOOLS Balmuldy Primary School, Stirling Drive Bishopbriggs, Glasgow Strathclyde, G64 3AJ |
| 2. Subject to written agreement under the relevant Schedule of the regulations | No |
| 3. Location of systems and name of user if different from above | As above |
| 4. (a) System identification (b) Identification of part of system (c) Description of part of system | PS01S Whole Expansion Vessel Grundfos Serial No.:- 16/2963 |
| 5. Results of examination and condition of parts examined in accordance with Written Scheme of Examination | Thorough and Working Examination supplemented with ultrasonic thickness test - see section 11. Suitable for further service. |
| 6. Repairs (if any) required in order to prevent imminent danger If none enter "None" | None |
| 7. Defects (other than those specified at 6 above) which require attention If none enter "None" | None |
| 8. (a) Safe operating limit (b) Change in safe operating limits and date by which required If none enter "None" | 6.0 bar None |
| 9. Change in written scheme if required If none enter "None" | New |
| 10. Postponement (Section 9(7))* Name of Competent Person Name of Users Representative Date of Postponement Date of limit of Postponement * If none enter "None" | None |
| 11. Other observations | Model: HT-HR-500. Year of manufacture: 2016. Capacity: 500 litres Minimum shell thickness: 1.7mm |

Certification :- I certify that the above system or parts thereof was examined in accordance with the Written Scheme of Examination and that the above is a true report of the result.

| | Thorough | Working |
|----------------------------------|---------------------------------------|-------------|
| Inspecting Engineer: | Date of Examination: 16 May 2019 | 16 May 2019 |
| Qualification: Engineer Surveyor | Date of Last Examination: 08 Jun 2018 | 08 Jun 2018 |
| Signature: | Date of Next Examination: 16 Jul 2021 | 16 Jun 2020 |

WRITTEN SCHEME OF EXAMINATION

THE PRESSURE SYSTEMS SAFETY REGULATIONS 2000 SI 128 THE PRESSURE SYSTEMS SAFETY REGULATIONS (NI) 2004 No. 222

Policy: G6S0103670

Plant Code: B05A12

Previous Report: 190618-003-0051EAW

Site: 00225

Schedule: B0009

Report Number: 170519-002-0053PL1

Owner/User : EAST DUNBARTONSHIRE COUNCIL
FACILITIES MANAGEMENT - SCHOOLS

Site Address : Balmuldy Primary School
Stirling Drive
Bishopbriggs
Glasgow
Strathclyde
G64 3AJ

Location : As above

Written Scheme No. : WS01

Pressure System No. : PS01S

System Description. : Compressed Air

System Category : Minor

Safe Operating Limit : 6.0 bar

Form WSE

| Item | Description | Serial No. | Thorough Periodicity | Working Periodicity |
|-------|------------------|------------|----------------------|---------------------|
| B0009 | Expansion Vessel | 16/2963 | 26 months | 13 months |

Items which form part of the above system but which do not appear above, including pipework, have been excluded from Statutory Thorough/Working Examinations since failure of those items will not give rise to foreseeable danger, however all parts of the system shall be subject to the maintenance provisions of Regulation 12 of the above Regulations which remain the responsibility of the owner/user.

If any repairs or modifications are made to the items listed above a further examination is required before the system is returned to service with the exception of the replacement of protective devices with certified devices of the same rating.

Preparation For Thorough Examination : The Written Scheme of Examination and any other relevant information must be made available to the Competent Person. The vessel to be drained of all contents, isolated from all pressure and electrical source and safe access provided where necessary. All inspection covers, doors, plugs protective devices and fittings to be removed, and all internal and external surfaces to be cleaned to permit the Thorough Examination. Protective devices to be dismantled as required by the Competent Person.

Preparation For Working Examination : System/vessel to be under normal operating conditions and pressure. Safe access to be provided where necessary and personnel to be available to carry out functional test of safety devices as required by the Competent Person.

Scope Of Thorough Examination : Thorough visual examination of all accessible internal and external surfaces including supports, plugs, covers and their securing devices. The Competent Person shall review the Written Scheme in the light of his findings and request supplementary test as required.

Scope Of Working Examination : Visual external examination of vessel and protective devices and witness of functional tests as required.

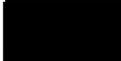
Specific System Requirements

Ultrasonic thickness checks may be carried out in lieu of internal examination.

Prepared By: 

Date: 16 May 2019

Revision: 01

Certified By: 



Date: 17 May 2019

REPORT OF EXAMINATION OF HOT WATER BOILER

Policy: G5S0103670

Plant Code: B01D10

Previous Report: 190618-004-0051EAW

Site: 00225

Schedule: B0010

Report Number: 170519-003-0053PL1

HWB1

| | |
|--|--|
| 1. Name and address of occupier | EAST DUNBARTONSHIRE COUNCIL FACILITIES MANAGEMENT - SCHOOLS Balmuldy Primary School, Stirling Drive Bishopbriggs, Glasgow Strathclyde, G64 3AJ |
| 2. Description, type and distinctive number(s) of boiler | Hot Water Heating Boiler (Biomass) Herz Firematic Serial No.:- F027501AB |
| 3. Date of construction The history should be briefly given, and the examiner should state whether he has seen the last previous report | 2016 Installed new 2016. Last previous report seen |
| 4. Date of last hydraulic test (if any), and pressure applied | Unknown |
| 5. Parts inaccessible | All enclosed electrical and mechanical parts |
| 6. Nature and type of examination | Visual, external, working examination at normal working temperature. |
| 7. Condition External :- Internal :- Surfaces in jackets :- (if any) | No apparent defects. Not applicable Not applicable |
| 8. Are fittings correct type? Are fittings all in satisfactory condition? | Yes Yes |
| 9. Type and condition of fuel emergency shut off valve | Automatic fuel emergency shut-off switch linked to temperature sensor located above boiler. |
| 10. Maximum permissible working pressure | 5.0 bar |
| 11. Repairs (if any) required and period within which they should be executed and any other conditions which the person making the examination thinks it necessary to specify for securing safe working | None |
| 12. Other observations | Boiler output: 320.0 kW Safety valve set at: 50 psi Model: 301 |

I certify that on the date of examination, the above mentioned boiler was examined as indicated and that the above is a true report of the result.

Date of Examination: 16 May 2019

Date of Last Examination: 08 Jun 2018

Inspecting Engineer: [REDACTED]

Date of Next Examination: 16 May 2020

Signature: [REDACTED]

Qualification: Engineer Surveyor

REPORT OF EXAMINATION OF HOT WATER BOILER

Policy: G4S0103670

Plant Code: B01D10

Previous Report: 190618-005-0051EAW

Site: 00225

Schedule: B0002

Report Number: 170519-004-0053PL1

HWB1

| | |
|--|--|
| 1. Name and address of occupier | EAST DUNBARTONSHIRE COUNCIL FACILITIES MANAGEMENT - SCHOOLS Balmuldy Primary School, Stirling Drive Bishopbriggs, Glasgow Strathclyde, G64 3AJ |
| 2. Description, type and distinctive number(s) of boiler | Hot Water Heating Boiler Low Pressure Gas Fired (LHS) Hamworthy Shaftesbury Serial No.:- 026560/692 Plant No.:- 1 |
| 3. Date of construction The history should be briefly given, and the examiner should state whether he has seen the last previous report | Unknown See previous report Last previous report seen |
| 4. Date of last hydraulic test (if any), and pressure applied | Unknown |
| 5. Parts inaccessible | All enclosed mechanical and electrical parts |
| 6. Nature and type of examination | External only carried out under normal working temperature. No apparent defects. |
| 7. Condition External :- Internal :- Surfaces in jackets :- (if any) | No apparent defects. Not applicable Not applicable |
| 8. Are fittings correct type? Are fittings all in satisfactory condition? | Yes Yes |
| 9. Type and condition of fuel emergency shut off valve | See Plant Report Continuation |
| 10. Maximum permissible working pressure | Design Pressure |
| 11. Repairs (if any) required and period within which they should be executed and any other conditions which the person making the examination thinks it necessary to specify for securing safe working | None |
| 12. Other observations | See Plant Report Continuation |

I certify that on the date of examination, the above mentioned boiler was examined as indicated and that the above is a true report of the result.

Date of Examination: 16 May 2019

Date of Last Examination: 08 Jun 2018

Inspecting Engineer: [REDACTED]

Date of Next Examination: 16 May 2020

Signature: [REDACTED]

Qualification: Engineer Surveyor

PLANT REPORT CONTINUATION



HSB Engineering Insurance

Policy: G6S0103670

Plant Code: B01D10

Previous Report: 190618-005-0051EAW-C01

Site : 00225

Schedule: B0002

Report Number : 170519-004-0053PL1

Occupier EAST DUNBARTONSHIRE COUNCIL
FACILITIES MANAGEMENT - SCHOOLS
Address Balmuldy Primary School, Stirling Drive
Bishopbriggs, Glasgow
Strathclyde, G64 3AJ

PRC1

| Section | Remarks |
|---------|---|
| 9 | Solenoid-operated gas automatic isolation valve activated by emergency push button next to boiler house door and temperature sensors located above each boiler. Manual gas emergency control valve also fitted. |
| 12 | Relief Valve Set Pressure: 2.5 bar Serial No.010268 Working Temperature: 70 DegC Burner Serial No.021220000106 Flue gas analysis results to be made available for inspection. Test and document operation of burner flame failure device. Boiler Output: 310 kW Location: Boiler Room. |

Date of Examination: 16 May 2019

Date of Last Examination: 08 Jun 2018

Inspecting Engineer: [REDACTED]

Date of Next Examination: 16 May 2020

Signature: [REDACTED]

Qualification: Engineer Surveyor

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REPORT OF EXAMINATION OF HOT WATER BOILER

Policy: G4S0103670

Plant Code: B01D10

Previous Report: 190618-006-0051EAW

Site: 00225

Schedule: B0003

Report Number: 170519-005-0053PL1

HWB1

| | |
|--|--|
| 1. Name and address of occupier | EAST DUNBARTONSHIRE COUNCIL FACILITIES MANAGEMENT - SCHOOLS Balmuldy Primary School, Stirling Drive Bishopbriggs, Glasgow Strathclyde, G64 3AJ |
| 2. Description, type and distinctive number(s) of boiler | Hot Water Heating Boiler Low Pressure Gas Fired (RHS) Hamworthy Shaftesbury Serial No.:- 02G5601650-1 Plant No.:- 2 |
| 3. Date of construction | Unknown |
| The history should be briefly given, and the examiner should state whether he has seen the last previous report | See previous report Last previous report seen |
| 4. Date of last hydraulic test (if any), and pressure applied | Unknown |
| 5. Parts inaccessible | All enclosed mechanical and electrical parts. |
| 6. Nature and type of examination | External only carried out under normal working temperature. No apparent defects |
| 7. Condition | External :- Internal :- Surfaces in jackets :- (if any) |
| | Cover panel (right-hand side) showing signs of scorching. Not applicable Not applicable |
| 8. Are fittings correct type? Are fittings all in satisfactory condition? | Yes Yes |
| 9. Type and condition of fuel emergency shut off valve | See Plant Report Continuation |
| 10. Maximum permissible working pressure | Design Pressure |
| 11. Repairs (if any) required and period within which they should be executed and any other conditions which the person making the examination thinks it necessary to specify for securing safe working | None |
| 12. Other observations | See Plant Report Continuation |

I certify that on the date of examination, the above mentioned boiler was examined as indicated and that the above is a true report of the result.

Date of Examination: 16 May 2019

Date of Last Examination: 08 Jun 2018

Inspecting Engineer: [REDACTED]

Date of Next Examination: 16 May 2020

Signature: [REDACTED]

Qualification: Engineer Surveyor

PLANT REPORT CONTINUATION



HSB Engineering Insurance

Policy: G6S0103670

Plant Code: B01D10

Previous Report: 190618-006-0051EAW-C01

Site : 00225

Schedule: B0003

Report Number : 170519-005-0053PL1

Occupier EAST DUNBARTONSHIRE COUNCIL
FACILITIES MANAGEMENT - SCHOOLS
Address Balmuldy Primary School, Stirling Drive
Bishopbriggs, Glasgow
Strathclyde, G64 3AJ

PRC1

| Section | Remarks |
|---------|--|
| 9 | Solenoid-operated gas automatic isolation valve activated by emergency push button next to boiler house door and temperature sensors located above each boiler. Manual gas emergency control valve also fitted. |
| 12 | Safety Valve Set Pressure: 25 psi, Serial No. 3499. Working temperature: 70°C Burner Serial No. 021220000105. Test and document the ventilation in the boiler room. Flue gas analysis results to be made available for inspection. Test and document operation of burner flame failure device. Boiler Output: 310 kW Location: Boiler Room. |

Date of Examination: 16 May 2019

Date of Last Examination: 08 Jun 2018

Inspecting Engineer: [REDACTED]

Date of Next Examination: 16 May 2020

Signature: [REDACTED]

Qualification: Engineer Surveyor

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PLANT INSPECTION REPORT

Policy: G5S0103670

Previous Report: 190618-001-0051EAW

Site : 00225

Report Number : 170519-006-0053PL1

PIR1

Occupier EAST DUNBARTONSHIRE COUNCIL
FACILITIES MANAGEMENT - SCHOOLS
Address Balmuldy Primary School, Stirling Drive
Bishopbriggs, Glasgow
Strathclyde, G64 3AJ

| Sched No. | Plant Code | Item | Remarks |
|-----------|------------|--|---|
| B0007 | B03A10 | Calorifier Type: PF5000 F Special TML | No apparent defects. Year of manufacture: 2016 Capacity 5000 litres Maximum Working Pressure: 6.0 bar |
| B0008 | B55A10 | Heater (Platen) S.No.:447341 Sondex | Type: 519A-J010-68 TMTL88 Heat Surface: 15.94 m2 Working Pressure: 6.0 bar Test Pressure: 13.0 bar Maximum Differential Pressure: 6.0 bar |
| B0004 | B04A10 | Hot Water Storage Tank S.No.:482 ACV | No apparent defects. Model: Smart 240L Year of manufacture: 2003 Capacity: 200 litres Maximum Temperature: 90°C Maximum Pressure: 10 bar Safety Valve Set Pressure: 2.41 bar Maximum Working Pressure: 3.3 bar |
| B0005 | B04A10 | Hot Water Storage Tank S.No.:21 ACV | No apparent defects. Model: Smart 240L Year of manufacture: 2002 Capacity: 200 litres Maximum Temperature: 90°C Maximum Pressure: 10 bar Safety Valve Set Pressure: 2.45 bar Maximum Working Pressure: 3.0 bar |
| B0006 | B56A10 | Steam Oven S.No.:G11CD04011104725 Rational | No apparent defects. Model: CPC 101G. Input: 38.4 kW. In a serviceable condition. |

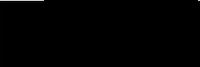
This report details a visual inspection relating to the potential capability of the equipment, not for compliance with any regulations unless specified above. (Please see covering letter for statement of compliance requirements).

Date of Inspection: 16 May 2019

Date of Last Inspection: 08 Jun 2018

Inspecting Engineer: 

Date of Next Inspection: 16 May 2020

Signature: 

Qualification: Engineer Surveyor