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| **ECO ANGUS GASIFICATION LOG BOILER COMMISSIONING CERTIFICATE** |
| **General site details** |
| Site Address |
|  |
|  | Post code |
| Installation company |
|  |
|  | Post code |
| Emergency Contact details – email | Telephone |
| Boiler model |  | Rated output | kW |
| Serial number |  | Year made |  |
| Buffer / accumulator volume | liters | Pressure Vessel volume Liters |
| Calculated heat load |  |
| Commissioning date |  | Commissioning engineer |  |
| **Pre lighting procedures and checks (Chimney)** |  |  |  |
| Procedureref |  | Yes | N/A | No |
| 1 | Does the chimney design meet the requirements of Approved Document J.If not is there full evidence of a calculation and design to BS EN 15287 with calculation to BS EN 13384 on site. |  |  |  |
| 2 | Note chimney designation here |  |
| 3 | Is there a Building Control Approval application for the installation (commercial installations or over 45kW)  |  | number |  |
| 3 | Is there a Building Control Approval application or a certificate of compliance from a registered installer (Domestic installations) |  |  |  |
| 4 | Is there access for chimney sweeping  |  |  |  |
| 5 | Has the flue been tested to ADJ appendix E smoke test II |  |  |  |
| 6 | Note chimney diameter here |  |
| **Pre lighting procedures and checks (Appliance)** | Yes | N/A | No |
| 8 | Is there an area marked around the appliance  |  |  |  |
| 9 | Is there sufficient clearance around the boiler for servicing |  |  |  |
| 10 | Is the appliance level and stable |  |  |  |
|  |  | Yes | N/A | No |
| 11 | Check the primary air inlet settings |  |  |  |
| 12 | Check the secondary air settings |  |  |  |
| 13 | Note adjustment of fan shutters |  | % |
| 14 | Check operation of flue fan |  |  |  |
| 15 | Check operation of heat exchanger bypass flap |  |  |  |
| 16 | All the secondary combustion chamber stones in place |  |  |  |
| 17 | Is permanent ventilation provided (note free area) |  | cm2 |
|  | Moisture content of the commissioning fuel |  | % |
| **Pre lighting procedures and checks (Wet system)** | Yes | N/A | No |
| 18 | Has the heating system been flushed |  |  |  |
| 19 | Has the hydraulic system been pressure tested and filled to the correct initial charge and pressure and have the correct inhibitor in |  |  |  |
| 20 | Note mains flow rate for heat dump here  |  |
| 21 | Note mains pressure for heat dump here |  |
| 22 | Heat Dump discharge operated and flowed correctly |  |  |  |
| 23 | Is the pressure relief valve situated correctly  |  |  |  |
| 24 | Does discharge pipe from the pressure relief valve conform to ADG part 3 |  |  |  |
| 25 | Has the Pressure relief valve discharge been operated and the discharge flowed correctly  |  |  |  |
| 26 | Are all heating control valves fitted the correct way round and operating |  |  |  |
| 26 | Is the back end protection blending valve correctly positioned and operating |  |  |  |
| 27 / 28 | Is the heat meter correctly located and installed or is the system meter ready |  |  |  |
| **Post lighting procedures and checks (Chimney)** | Yes | N/A | No |
| 30 | Draught reading on stable flue |  | Pa |
| 31 | Draught reading after setting draught regulator. |  | Pa |
| 32 | Are emissions escaping from flue effectively and not falling to ground |  |  |  |
| **Post lighting procedures and checks (Appliance)** | Yes | N/A | No |
| 33 | Check operation of boiler fan |  |  |  |
| 34 | Are emissions clear after 45 mins |  |  |  |
| 35 | If no adjust note final turns open |  |  |
|  | Once emissions are clear carry out flue gas analysis, adjust secondary air until correct results achieved and record results here | O2 | CO2 | CO |
| Flue temp | Excess air | Eff Gros |
| **Post lighting procedures and checks (Wet system)** | Yes | N/A | No |
| 36 | Note settings of all pumps in the system |  |  |
| 37 | At what temperature does the shunt pump start |  |  |
| 38 | Note flow and return temperature at boiler tappings with shunt pump in operation |  |  |
| 39 | Ensure the temperature of the buffer / accumulator is rising |  |  |  |
| 40 | Reload combustion chamber and ensure temperature of boiler achieves 80 degrees C before leaving |  |  |  |

Handover confirmation sheet

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|  | Has the labels of all water storage vessels been completed |  |
|  | Has the commissioning procedure been completed, documented and a copy of the document been passed to the owner |  |
|  | Have all component instructions been passed to the customer |  |
|  | Has a certificate of compliance been passed to the owner |  |
|  | Have the heating controls been demonstrated to the customer |  |
|  | Has the boiler control system been demonstrated to the owner |  |
|  | Has boiler cleaning and maintenance been explained to the owner (including need for and frequency of chimney sweeping |  |
|  | Has the lighting procedure been explained to the owner. |  |
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