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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)** | | | | | |  | |  |  |
| Procedure  ref |  | | | | | 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. |  |
|  |  |  |
|  |  |  |