STREBEL BIOMASS COMMISSIONING REPORT DATE : 03-09-15

Order No./ Project No. X006142-3950

Site Title : LINDHURST LODGE CARE HOME,

Site Address : LINDHURST ROAD, BARNSLEY, S71 3DD.

Boiler Model : XL199 Rated Output : 199kw

Serial No : (B1 LEFT) 15039 FuelType/Standard: EN PLUS WOOD PELLET

Position of Boiler Room : Basement _____ Ground Level Y Rooftop _____

Flue System : Length 4m Type / Size: Stainless (high efficiency)

System Static Head: 1.5bar Number of Boilers in Plant Room 2

Permanent High Level Ventilation Air Opening Size 1,248cm2 Satisfactory/Unsatisfactory

Permanent Low Level Combustion Air Opening Size 1,872cm2 Satisfactory/Unsatisfactory

Ventilation Based On >50% Time Operation During Summer Months.

General Checks (tick if Satisfactory, Remark if Not)

See job sheet for any further remarks

	Y/N	
Boiler Room Sizing & Clearances Examined	Y	
CO Alarm Present	N	
Boiler & hydraulic connections examined for tightness	Y	
Back End Protection	Y	
Pressure Relief Valve	Y	
Boiler Sprinkler Safety System and Cooling Coil	Y	
Fuel Transport Mechanism (Auger) appear to be installed correct.	Y	
Fuel Store as per Building Regulations	Y	Alterations being made
Flue Connection & Termination: Soundness, Insulation, Position etc appear to be correct	Y	Alterations being made
Electrical Connections are correctly made	Y	
Manual Test and Inspection of Ignition, Motors, Valves and Boiler Cleaning Systems (If Fitted)	Y	
Correct Sensor Positioning appear correct	Y	

PLEASE SEE OVER

Boiler Parameters Check / Adjusted for Correct Boiler Operation.		All as per instruction.
Aggregate test carried out, and operation recorded.		All as per instruction.
Carry Out Combustion Analysis (@ Nom. Output)	Y	
Chimney Draught (Cold)	-5	Pa
Chimney Draught (Hot)	-15	Pa
Carbon Monoxide (CO)	506	PPM
Carbon Dioxide (CO_2)	6.5	%
Oxygen (O_2)	14.1	%
Flue Gas Temperature	90	˚C
Draught Stabiliser	-15	Pa
Full Customer Demonstration of Boiler Operation	Y	
Explain Monthly Maintenance Procedures	Y	MANUAL TO BE SUPPLIED

Further Comments on Additional Page **YES**

Engineer Signature

Sign 

Print S.BAKER

STREBEL BIOMASS COMMISSIONING REPORT DATE : 03-09-15

Order No./ Project No. X006142-3950

Site Title : LINDHURST LODGE CARE HOME,

Site Address : LINDHURST ROAD, BARNSLEY, S71 3DD.

Boiler Model : XL199 Rated Output : 199kw

Serial No : (B2 RIGHT) 15040 FuelType/Standard: EN PLUS WOOD PELLET

Position of Boiler Room : Basement Ground Level Y Rooftop

Flue System : Length 4m Type / Size: Stainless (high efficiency)

System Static Head: 1.5bar Number of Boilers in Plant Room 2

Permanent High Level Ventilation Air Opening Size 1,248cm2 Satisfactory/Unsatisfactory

Permanent Low Level Combustion Air Opening Size 1,872cm2 Satisfactory/Unsatisfactory

Ventilation Based On >50% Time Operation During Summer Months.

General Checks (tick if Satisfactory, Remark if Not)

See job sheet for any further remarks

	Y/N	
Boiler Room Sizing & Clearances Examined	Y	
CO Alarm Present	N	
Boiler & hydraulic connections examined for tightness	Y	
Back End Protection	Y	
Pressure Relief Valve	Y	
Boiler Sprinkler Safety System and Cooling Coil	Y	
Fuel Transport Mechanism (Auger) appear to be installed correct.	Y	
Fuel Store as per Building Regulations	Y	Alterations being made
Flue Connection & Termination: Soundness, Insulation, Position etc appear to be correct	Y	Alterations being made
Electrical Connections are correctly made	Y	
Manual Test and Inspection of Ignition, Motors, Valves and Boiler Cleaning Systems (If Fitted)	Y	
Correct Sensor Positioning appear correct	Y	

PLEASE SEE OVER

Boiler Parameters Check / Adjusted for Correct Boiler Operation.		All as per instruction.
Aggregate test carried out, and operation recorded.		All as per instruction.

Carry Out Combustion Analysis (@ Nom. Output)	Y	
Chimney Draught (Cold)	-5	Pa
Chimney Draught (Hot)	-15	Pa
Carbon Monoxide (CO)	82	PPM
Carbon Dioxide (CO_2)	6.2	%
Oxygen (O_2)	14.5	%
Flue Gas Temperature	86	˚C
Draught Stabiliser	-15	Pa

Full Customer Demonstration of Boiler Operation	Y	
Explain Monthly Maintenance Procedures	Y	MANUAL TO BE SUPPLIED

Further Comments on Additional Page **YES**

Engineer Signature

Sign 

Print S.BAKER