

Customer	H WESTON & SONS	Job No.	PM0000778/005
Post Code	HR8 2NQ	Engineer	Marc Ierston
Site Contact	Brian quin	Contact Email	
Date	27/03/2025 14:39	Vehicle SV	

EQUIPMENT DETAILS				PRE-WORK CHECKS	
Boiler Make/Model	Dunphy TD410ZMFVPR	Burner Make/Model	DUNPHY TD4102MFV	Burner Service Type	Major Service
Boiler Serial	24048	Burner Serial	24048	Burner Manuals Available	Yes

On Site To Carry Out Routine Mechanical & Electrical Burner Service As Per Manufacturers Instructions

ALL

1	Isolated Fuel and Electrical Supply	Yes	
2	Opened Burner Access	Yes	
3	Removed Burner Head Assemblies	Yes	
4	Flame/ Diffuser Plate Condition	Yes	
5	Checked & Cleaned All Ignition Electrodes	Yes	
6	Set Ignition Electrode Position		
7	Checked & Cleaned Ionisation Probe	N/A	Kerosene
8	Set Ionisation Probe Position	N/A	
9	HT Leads Condition	Yes	
10	Checked HT Lead Connections	Yes	
11	Visually Inspected Blast Tube	Yes	
12	Visually Inspected Combustion Chamber	Yes	
13	Cleaned FD Fan & Checked Free Rotation	Yes	
14	Checked & Cleaned Burner Air Intake	Yes	
15	Cleaned Air Damper & Checked Free Moving	Yes	
16	Checked Air Pressure Switch Sense Lines	Yes	
17	Checked & Cleaned Flame Supervision Device	Yes	
18	Visually Checked Controller For Signs Of Damage	Yes	
19	Checked Electrical Connections	Yes	

GAS

20	Let-By Test Of Burner Local Isolation Valve	N/A	Oil only
21	Checked Gas Head Nozzles	N/A	
22	Replaced Gas Head Seal	No	
23	Checked Gas Modulation Butterfly Valve/ Linkage	No	
24	Checked Gas Valve Sense Lines	No	
25	Checked Gas Actuators For Damage	No	
26	Checked Gas Booster Belt	N/A	
27	Checked Gas Booster Shaft For Play	N/A	
28	Inspected Booster Flexibles & Antivibration Feet	N/A	
29	Checked Gas Pipework Meets Current Standards	Yes	

OIL

30	Checked Oil Nozzles	Yes	
31	Checked Oil Pump Internal Filter	Yes	
32	Checked Oil Pump Rotation & Coupling		
33	Checked Inline Oil Filter	Yes	
34	Checked Oil Metering Valve	N/A	
35	Inspected Oil Flexible Connection	Yes	

Rebuilt & Carried Out Operational Checks															
Interlocks		Setting		Tested		Comments									
1	Air Pressure Switch			5.0mb		Yes									
2	Low Inlet Pressure Switch					N/A									
3	Gas Valve Proving (Stage 1)					N/A									
4	Gas Valve Proving (Stage 2)					N/A		Oil Only							
5	High Gas Pressure Switch					N/A									
6	Booster Inlet Pressure Switch					N/A									
7	Booster Outlet Pressure Switch					N/A									
8	Flame Supervision Device					Yes									
9	All Combustion Doors Sealed Checked					Yes									
10	Burner Operation					Yes									
GAS															
1	Let-By Test Of Burner Local Isolation Valve					N/A									
1	Tightness Test Of Pipework From L.I.V. To Gas Train					N/A									
1	Booster Inlet Pressure (Standing)					N/A									
1	Booster Inlet Pressure (High Fire)					N/A									
1	Burner Inlet Pressure (High Fire)					N/A									
OIL															
1	Oil Pump Pressure (Low Fire)					Yes									
1	Oil Pump Pressure (High Fire)					Yes									
1	Oil Recirculation Pressure (Low Fire)					No									
1	Oil Recirculation Pressure (High Fire)					No									
Combustion Print Out Left With Customer															
Point	Fuel	Air	Vsd	O2%	CO2%	NOx ppm	CO ppm	SOx ppm	Temp oC	Gas Head Mbar	Air Pressure Mbar	Boiler Pressure			
P1	Kerosene 17%	2%	0	3.99	12.4	55	3	7	0	0	0	4			
P3	Kerosene 31%	2.5%	0	5.86	11.0	57	0	10	0	0	0	4			
P5	Kerosene 50%	3.0%	0	4.80	11.8	66	0	11	0	0	0	5			
P6	Kerosene 62%	3.2%	0	5.04	11.6	67	0	12	0	0	0	6			
P7	Kerosene 82%	4.0%	0	5.04	11.0	73	0	13	0	0	0	6			
P9	Kerosene 100%	4.5%	0	5.16	11.5	78	0	13	0	0	0	6.5			
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) Regulation, Industry Standards and procedures.															
															
Customer Print			Brian quin		Date	27/03/2025		Engineer Print			Marc Ierston		Date	27/03/2025	