Heating System and Hot Water Heater Improvement Survey Report

Client Name:	Job #		
Owner Authorization			
I authorize representatives of complete necessary health and safety testing and evaluated as prescribed on this form. I understand that the testing additional work will be performed on the heating system neither my family nor myself will be charged any cossystem and hot water heater.	ation of my heating system and hot water heat g and evaluation does not necessarily mean the n and/or hot water heater. I also understand the		
Signature	Date		
1. Heating Type: (Select) Gas: Oil:	Electric: Propane:		
Hot Water Boiler: Steam Boiler: Furnace:	Baseboard: Heat Pump: Tankless Coil:		
2. <u>Heating System Working:</u> (Yes) (No)			
3. <u>Major Problems:</u> (Yes) (No)			
Gas Leak: (Yes) (No) Oil Leak: (Yes)	es) (No) <u>Boiler leak:</u> (Yes) (No		
Heating Pipes or Radiators Cracked? (Yes)	No)		
Damaged Flue/Chimney Duct/Cold Return? (Ye	es) (No)		
Hot Air Furnace Heat Exchanger Cracked? (Ye	es) (No)		
Rusted Heat Exchanger Due To Humidifier Lea	k? (Yes) (No)		
Soot in Living Area? (Yes) (No)			
Low-Water Cut-Off Present? (Yes) (No)	Operable (Yes) (No)		
Automatic Water Feeder Present? (Yes) (No	Operable(Yes) (No)		
Emergency Switch Present? (Yes) (No) Is	Operable(Yes) (No)		
Electric Service Adequate? (Yes) (No)	Operable (Yes) (No)		
Change in CO2 and O2 When Blower Comes O If so, record % of CO2/O2 – with blower on _ 4. Setting on High Limit: 5 Pounds or Less on St	and off		
210 or Less on Hot Water (Yes) (No)	250 or Less on Hot Air (Yes) (No)		

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5.	Heating System Data:				
	Manufacturer	_ Model			
	Output	GPH			
	Oil Burner Mounting: (Flange) (Pedestal)				
	Conversion: Coal to Oil (Yes) (No)	Oil to Gas (Yes) (No)			
	Summer/Winter Hook-Up (Yes) (No)	Stainless Steel Chamber (Yes) (No)			
	Condition of Gas Burners (Good) (Poor)	Condition of Blower Motor(Good) (Poor)			
	Oil Filter (Yes) (No) Air Filte (Yes)	(No) Thermostat Operable (Yes) (No)			
6.	Heating System Efficiency Test Results:				
	Gas Room Temp Oil Room Temp	<u>Propane</u> b Room Temp			
	Stack Temp Stack Temp	Stack Temp			
	O2 % CO2 %	CO2 %			
	Efficiency Efficiency _	Efficiency			
	CO (ppm) CO (ppm) _	CO (ppm)			
	Draft Draft	Draft			
	Smoke Discount:				
	If Smoke is 0 1 2 3 4 5 6 7 8 9				
	Then Subtract 0 0 0 0 1 2 3 4 5 7				
	Adjusted Efficiency Rating				
	Temperature Rise & Static Pressure Testing:				
7.	Recommendation:				
	Repair? (Yes) (No) Retrofit Tune-Up?	(Yes) (No) Replace Unit? (Yes) (No)			
	State Reason. Be Specific.				

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8.	Hot Water Heater Data:						
	Manufacturer	Mod	Model				
	Output	Gallon	Gallons				
	(Gas) (Oil) (Elec	tric) (Propane)					
9.	Hot Water Heater Efficiency Test Results:						
	Gas	<u>Oil</u>	<u>Propane</u>				
	Room Temp	Room Temp	Room Temp				
	Stack Temp.	_ Stack Temp	Stack Temp				
	O2 %	CO2 %	CO ₂ %				
	Efficiency	Efficiency	Efficiency				
	CO (ppm)	CO (ppm)	CO (ppm)				
	Draft	Draft	Draft				
	Smoke Discount:						
	If Smoke is 0 1 2 3	4 5 6 7 8 9					
	Then Subtract 0 0 0 0	1 2 3 4 5 7					
	Adjusted Efficiency Rating						
10	. Recommendation						
	Repair? (Yes) (No)	Retrofit Tune-Up? (Yes)	(No) Replace Unit? (Yes) (No)				
	State Reason. Be Specific						
11	. Additional Comments						

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12. CAZ Pressure Test	ing:					
Zone Locations	(Basement)	(Attic)	(Other) _			
Baseline Pressure WRT Outside	Pa_					
Worst Case Pressi WRT Outside						
Pressure Difference	ce Pa_					
Meets Standards?	(Yes)	(No)				
CAZ Depressurizat Power-vented or se pellet stove with di	ealed-combustion		boiler;	-10 pa (04 I	WC)	
Atmospherically vo Oil power burner a Closed controlled of Decorative wood-b	nd fan-assisted (combustion	induced-draf	ct) gas *	-5 pa (02 I' -5 pa (02 I' -5 pa (02 I'	WC)	
Atmospherically vo	ented water heat	er		-2 pa (008	IWC)	
* Individual combus than - 10 pascals. He usually be reduced. T	owever CAZ depr	essurization is	a potential pro	oblem for numerou	is reasons and c	
13. When only HIP wo numbers are require		d: Testing f	or fuel burni	ng Stove/Oven	and Ambien	t Air Test
Oven Carbon Mo	noxide Readin	g	p	pm		
Ambient Air Rea	ding		ppm			
14. <u>Surveyor's Name:</u>					_	
If surveyor is a con	tractor, list con	npany:				
Name:						
Address:						
Surveyor's Signatu	re				Date	
Agency Heater Spe	cialist Signatui	re			Date	

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