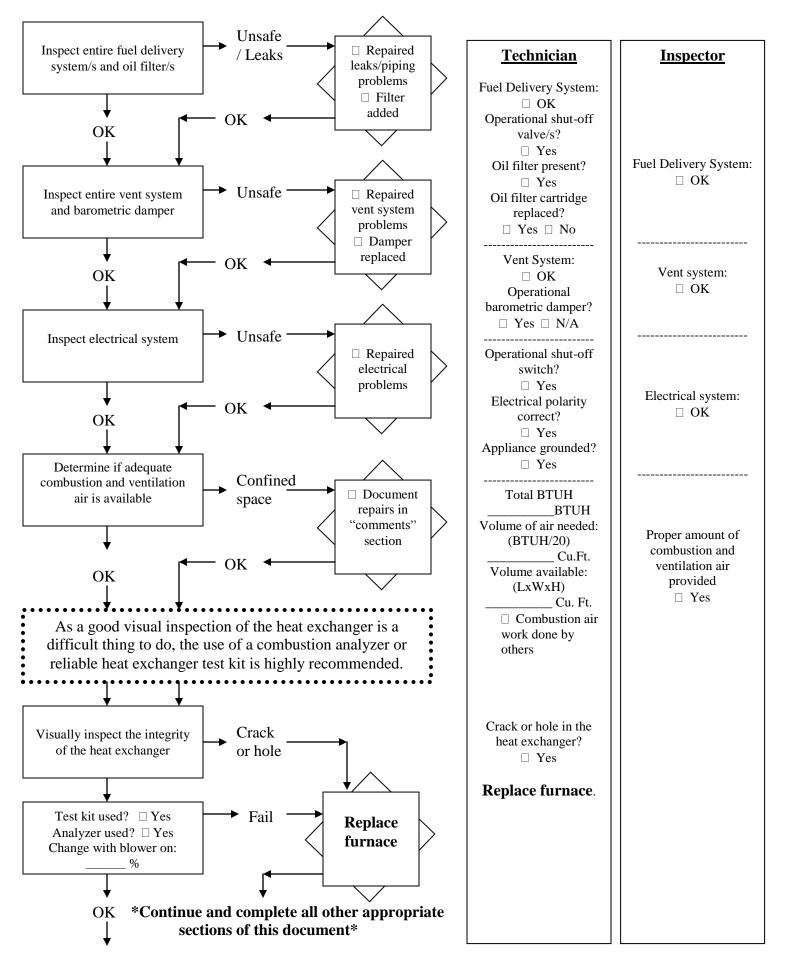
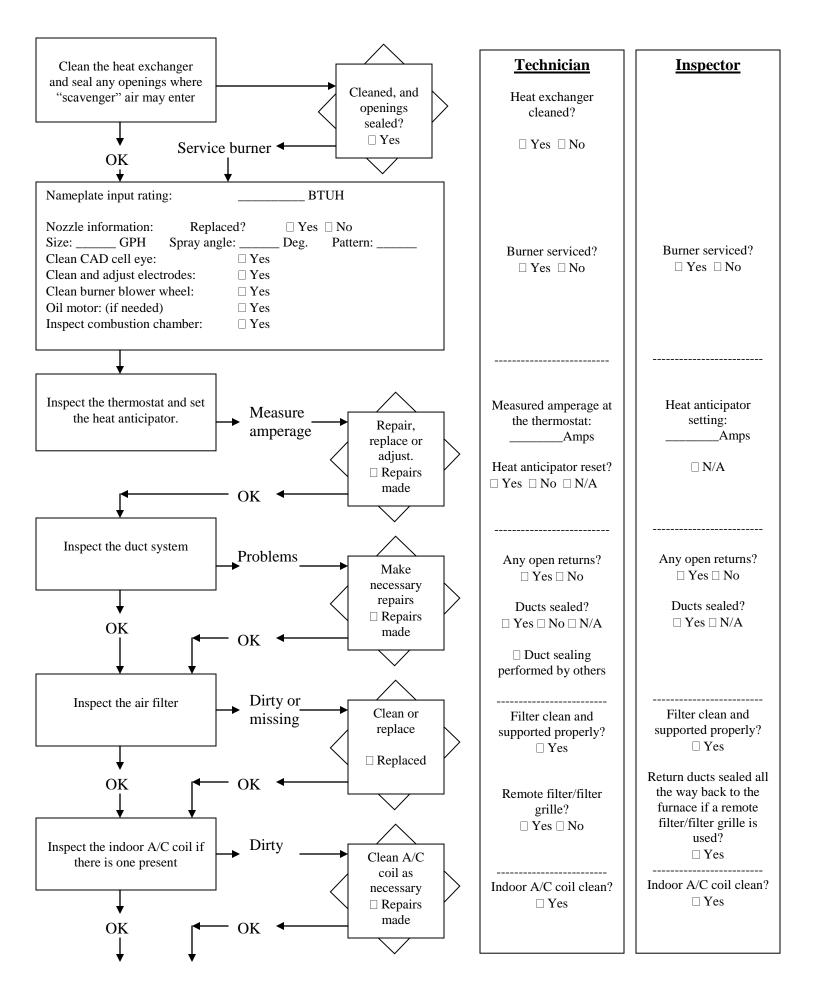
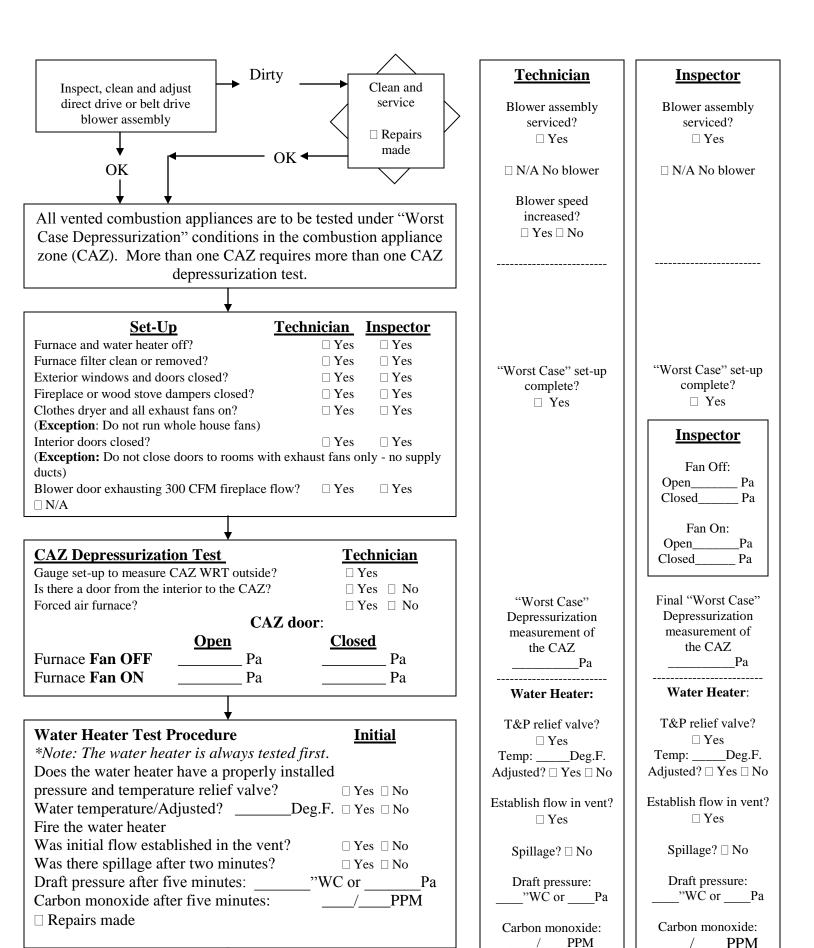
## **Indiana WX Oil Furnace Inspection Guide**

Client:	Phone:
Oil Dealer: Comments/Billing information:	Date of last service:  □ Standard Inspection / Clean and Tune
Follow-up:	□ Emergency / Furnace Replacement
Fuel Type: # 1 oil # 2 oil Water Heater: Gas Oil Electric Is the Water Heater in the same CAZ as the Is this the Final Inspection of a new furnace Describe appliance types, locations, venting of	furnace?







## Note:

Initial combustion safety testing must be completed. If it is found that the appliances will not work under "Worst Case" conditions, then continue testing and repair under "normal operating conditions" and document for the Wx Inspector in the "Follow-up" section of this guide.

Calibrate analyzer and insert probe in the vent connector upstream of the barometric damper.

Monitor the oxygen reading on start-up! A change in 02 greater than 1% validates a bad heat exchanger.

## **Furnace Combustion Testing Procedure Initial** Fire the furnace Change in 02 when blower comes on: Did the operation of the heating appliance cause spillage or a reduction in draft at any other appliance? $\Box$ Yes $\Box$ No $\Box$ N/A Pump pressure: (optional) \_\_\_\_\_PSIG Adjusted to:\_\_\_\_\_ PSIG Steady state 02: % Steady state Stack Temperature -Deg.F. Subtract Combustion air temperature -\_Deg.F. To get Net Stack Temperature: Deg.F. Steady state Combustion efficiency: Burner type: Retention head □ Non-Retention head □ Breech draft: "WC or Pa "WC or \_\_\_ Overfire draft: Pa Outside air temperature: Deg.F. Smoke: Carbon Monoxide: **PPM** Temperature rise: Supply minus Return: \_\_\_\_\_Deg.F. ☐ Repairs/adjustments made ☐ Bad heat exchanger

Did not

work

OK

Perform a high temperature

limit switch test on the

appropriate appliances

OK

<u>Teenmetan</u>	<u> Inspector</u>
☐ Not tested under "Worst Case"	
Furnace Steady state:	Furnace Steady state:
02%	02%
Stack temp:Deg.F.	Stack temp:Deg.F.
Combustion air temp:Deg.F.	Combustion air temp:Deg.F.
Net stack temp:Deg.F.	Net stack temp:Deg.F.
Combustion efficiency%	Combustion efficiency%
Breech draft:Pa	Breech draft:Pa
Overfire draft:Pa	Overfire draft:Pa
Outside air temp:Deg.F.	Outside air temp:Deg.F.
Smoke:#	Smoke:#
Carbon monoxide:PPM	Carbon monoxide:PPM
Temperature rise:Deg.F.	Temperature rise:Deg.F.
High temperature limit switch operational?  □ Yes  Limit temperature:	High temperature limit switch operational?  ☐ Yes
Deg.F.	

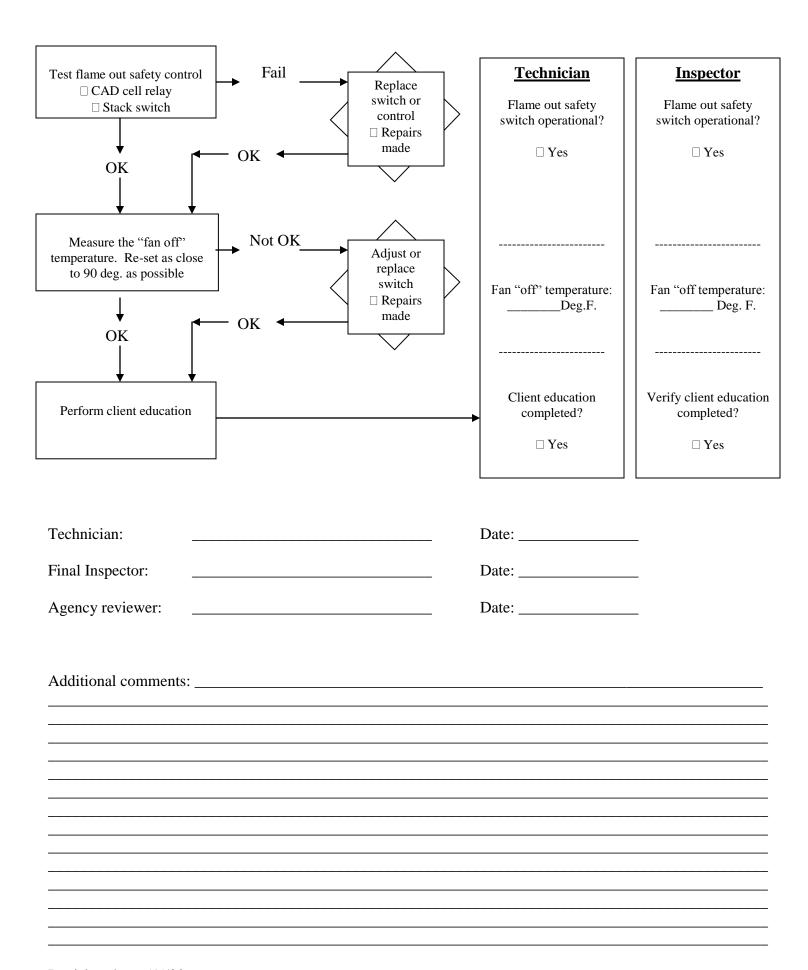
Technician

Inchector

Repair or

replace

☐ Repairs made



Revision date: 5/5/03