

# Furnace Evaluation Form



**AQUARIUS**  
— HOME SERVICES —

Customer Name / Job # \_\_\_\_\_

Date: \_\_\_\_\_



Aquarius Associate Name \_\_\_\_\_

888.805.8326

**AquariusHomeServices.com**

	Good Condition	Attention Soon	Attention NOW	Notes
<b>Thermostat:</b> Controls Furnace/AC operations. Change customer supplied batteries	No Issues or Concerns <input type="checkbox"/> _____	Old Flickering Display, etc <input type="checkbox"/> _____	Does Not Work Properly <input type="checkbox"/> _____	_____ _____ _____
<b>Gas Leaks:</b> Identify customer concerns. (visually, odor)	No Issues or Concerns <input type="checkbox"/> _____	Inadequate Gas Piping, Corroded Junction Points <input type="checkbox"/> _____	Visible or Noticeable Leak by Odor <input type="checkbox"/> _____	_____ _____ _____
<b>Gas Valve:</b> Meters gas flow. Check pressure & Operation	No Issues or Concerns <input type="checkbox"/> _____	Intermittent Functionality <input type="checkbox"/> _____	Does NOT Work in Safe Manner/at All <input type="checkbox"/> _____	_____ _____ _____
<b>Inlet Gas Pressure:</b> Natural Gas or Propane?	No Issues or Concerns <input type="checkbox"/> _____	Below/Above Required Pressure <input type="checkbox"/> _____	High/Low Pressure Hindering Operation <input type="checkbox"/> _____	_____ _____ _____
<b>Flame Sensor:</b> Senses flame. Visually inspect and test micro amps. Manufacturer Rating: _____	No Issues or Concerns <input type="checkbox"/> _____	Tests Out of Rated Range <input type="checkbox"/> _____	Mechanical Failure <input type="checkbox"/> _____	_____ _____ _____
<b>Ignitor:</b> Starts combustion. Test resistance and visual condition. Manufacturer Rating: _____	No Issues or Concerns <input type="checkbox"/> _____	Resistance Out of Range Visually Worn <input type="checkbox"/> _____	Mechanical Failure <input type="checkbox"/> _____	_____ _____ _____
<b>Inducer Motor Assembly:</b> Induces Draft. Test electrically and visually inspect. Manufacturer Rating: _____	No Issues or Concerns <input type="checkbox"/> _____	Out of Range Amp Draw Leaking Housing Assembly <input type="checkbox"/> _____	Mechanical Failure <input type="checkbox"/> _____	_____ _____ _____
<b>High Limit Switch:</b> High temperature safety switch.	No Issues or Concerns <input type="checkbox"/> _____	Corroded Electrical Connections <input type="checkbox"/> _____	Stuck Open/Weak Heat Disk Mechanical Failure <input type="checkbox"/> _____	_____ _____ _____
<b>Burners:</b> Visually inspect. Ensure alignment.	No Issues or Concerns <input type="checkbox"/> _____	Dirty/Corroded/ Not Aligned <input type="checkbox"/> _____	Mechanical Failure/ Not allowing Safe Operation <input type="checkbox"/> _____	_____ _____ _____
<b>CO Level During Operation</b> CO ppm reading from flue during combustion analysis.	Safe CO Level 0-99 ppm <input type="checkbox"/> _____	Cautious CO Level 100-399 ppm <input type="checkbox"/> _____	Dangerous CO Level 400+ ppm Shut Down Required <input type="checkbox"/> _____	_____ _____ _____

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<b>Heat Exchanger:</b> Provides heat for furnace. Visually inspect with livescope. CO analysis	No Issues or Concerns <input type="checkbox"/> _____	Corrosion of heat exchanger/ potential weak points <input type="checkbox"/> _____	Cracked or plugged heat exchanger. Shutdown American Gas Association <input type="checkbox"/> _____	_____ _____ _____
<b>Collection Box:</b> Collects condensate from furnace. Visually inspect.	No Issues or Concerns <input type="checkbox"/> _____	Light corrosion leaking starting <input type="checkbox"/> _____	Aggressive corrosion leaking <input type="checkbox"/> _____	_____ _____ _____
<b>Fresh Air/Exhaust Vents:</b> Visually inspect for leaks or blockages	No Issues or Concerns <input type="checkbox"/> _____	Dirty intake/ exhaust conditions <input type="checkbox"/> _____	Definite hole or leak in venting <input type="checkbox"/> _____	_____ _____ _____
<b>Indoor Evap Coil:</b> Collects condensate. Source of cool air from A/C	No Issues or Concerns <input type="checkbox"/> _____	Dirty coil fins, corroded drain pan <input type="checkbox"/> _____	Plugged/leaking/ iced coil <input type="checkbox"/> _____	_____ _____ _____
<b>Blower Wheel:</b> SHOW CUSTOMER! Moves air throughout furnace. Inspect condition of wheel.	No Issues or Concerns <input type="checkbox"/> _____	Dust beginning to form on wheel fins <input type="checkbox"/> _____	Severe dust accumulation Hindering system performance <input type="checkbox"/> _____	_____ _____ _____
<b>Blower Motor:</b> Turns blower wheel. Check amp draws, shaft play, etc. Manufacturer Rating: _____	No Issues or Concerns <input type="checkbox"/> _____	Out of range amp draw Leaking oil <input type="checkbox"/> _____	Mechanical Failure <input type="checkbox"/> _____	_____ _____ _____
<b>Circuit Board:</b> Brains of the system. Test for voltage drop, or signs of burns.	No Issues or Concerns <input type="checkbox"/> _____	Abnormal markings on board; excessive voltage drops <input type="checkbox"/> _____	Circuit board failure <input type="checkbox"/> _____	_____ _____ _____
<b>Static Pressure:</b> Air pressure between in/outgoing air. Test with manometer. Rating: _____	No Issues or Concerns <input type="checkbox"/> _____	Static pressure out of manufacturer rated range <input type="checkbox"/> _____	Pressure so high it is impairing system performance <input type="checkbox"/> _____	_____ _____ _____
<b>Electrical Connections:</b> Junctions made in electrical circuit. Visually inspect.	No Issues or Concerns <input type="checkbox"/> _____	Corrosion loose wiring <input type="checkbox"/> _____	Break in wiring Exposed wiring <input type="checkbox"/> _____	_____ _____ _____
<b>Condensation Pump:</b> Moves condensation to drain. Test Operation	Safe CO Level 0-99 ppm <input type="checkbox"/> _____	Works but is loud/ running longer than normal <input type="checkbox"/> _____	Mechanical failure <input type="checkbox"/> _____	_____ _____ _____
<b>Temp Split:</b> Difference between return and supply air temp. Test with temp probes Rating: _____	No Issues or Concerns <input type="checkbox"/> _____	Out of manufacture range but still working <input type="checkbox"/> _____	Out of manufacture range and is inhibiting system <input type="checkbox"/> _____	_____ _____ _____
<b>Combustion Air:</b> Fresh air intake. Visually inspect	No Issues or Concerns <input type="checkbox"/> _____	Dirty intake but still working <input type="checkbox"/> _____	Plugged air intake and not working <input type="checkbox"/> _____	_____ _____ _____