



Gas Heating HVAC Comprehensive Inspection

conducted for

Victor/Lara Wilson

Document No.

000024

Audit Title

Downstairs System

Conducted on

12/05/2016, 03:49 PM

Prepared by

Victor Wilson

Location

5008 Ellison Ct
Keller Tx 76244

Completed on

12/05/2016, 03:56 PM

Audit

Question	Response	Details
Area Served, capacity and/or System Number Brand Model # Serial #	Downstairs System CARRIER 90,000 BTU Heating 58VA090 3307A31675	
Natural Gas or Liquified Petroleum Gas	Natural Gas	
Check air filter	Done	
Filter size	20 x 25 x 4 Infinity	
Test run capacitor on blower motor	N/A	
Check blower wheel for dirt buildup and balance	Done	
Check vacuum pressure switch & check connector at hose end for mineral buildup inside	Done	
Inspect and clean flame sensor	Done	
Test blower motor & draft inducer motor: FLA vs Actual amperage	Blower Motor - 3.50 amps Draft Inducer Motor - 1.31 amps	
Inspect and test ignitor	Done	
Check Fan Thermostat or Time Delay	Done	
Test high limit switch	Done	
Check Auxiliary Limit Switch(es)	Done	
Test gas manifold pressure, adjust if needed	Done	
Combustion Analysis: Test oxygen, carbon monoxide, carbon dioxide; content & burner efficiency	O2 - 8.3%/8.8% (Before/After Blower Motor start) O2 - 31 ppm/44 ppm Eff - 84.2%/82.7% CO2 - 7.1%/7.3%	
Test for presence of carbon monoxide in supply air & living areas	0 ppm	
Test gas piping at furnace for leaks	Done	
Check gas flex & gas stop	Done	

Question	Response	Details
Check for hard piping out of furnace	Done	
Check for sediment trap in gas piping	Done	
Check burner chamber for debris	Done	
Inspect electrical wiring	Done	
Inspect vent piping and cap	Done	
Inspect means of suspending equipment	Done	
Inspect ductwork & plenums	Done	
Summary and recommendations		Replace air filters every 10-12 months.