

Energy Solutions

Residential Case Study

Residence

Location: Richmond, Virginia

Residential Type: 2 story plus full basement

Square Feet: Approximately 2,200 square feet

Problem: A four year old, 2.5-ton unit with significant coil clogging, mildew and debris both in the coils as well as in the unit proper. Due to this clogging, a significant loss of heating & cooling efficiency and possible accelerated deterioration by excess debris and other corrosion-causing agents was noted. Before servicing the recorded output temperature at a primary residence inside heating/cooling duct was 48.5 degrees Fahrenheit.

Solution: On May 5th and 6th 2002 Adsil AD-30 was applied to the coils and fins after a thorough unit cleaning and rinsing. Internal duct air temperature measurements were taken before and after our servicing and application of AD-30.

Results: The result of our servicing and treatment program was a **9.1% reduction in output temperature** (i.e., *improvement* in unit heating & cooling efficiency) as measured at the identical residential location before servicing—from 48.5 degrees initially to 44.2 degrees after servicing. Additionally, the cleaning and application of AD-30 restored the unit to a like-new condition in appearance, performance, and operation. These improved performance levels are still enjoyed six (6) years post application and the unit continues to operate flawlessly with no other mechanical servicing of any type.

BEFORE SERVICING



AFTER SERVICING



Energy Solutions...Solutions that save you money!!

BEFORE and ***AFTER*** Case Study

Richmond, VA Residence

BEFORE



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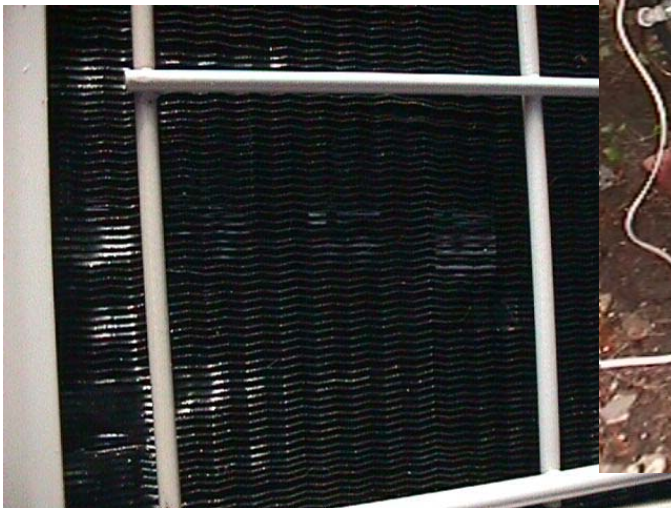
BEFORE and ***AFTER*** Case Study

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AFTER



Cleaned & Coated HEAT PUMP unit reduced energy consumption & associated electricity cost by 8% during summer cooling & winter heating. This unit continues to operate at this improved efficiency level six (6) years after initial cleaning & coating service by Energy Solutions



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