

DOG IN THE COAL MINE?

A Case Study

Homeowners often ask professionals for help once they realize they are getting sick only when they are in one location, such as their house. Humans aren't the only ones that can suffer from indoor air quality issues: In this case it was a canine with a consistent cough that brought the matter forward. The dog was sick with a chronic cough that only occurred while inside the home.

INITIAL TEST

The test revealed elevated levels of airborne chemicals and carbon dioxide. This was a surprise since the home was equipped with a heat recovery ventilator (HRV) to supply adequate ventilation. The HRV had been there since the home was built, and was operating during the test. Armed with this information, Titanium Mechanical performed a thorough visual inspection and found a blockage in the ductwork. Even though the HRV was on, there was no fresh air getting into the house because of the blocked ductwork.



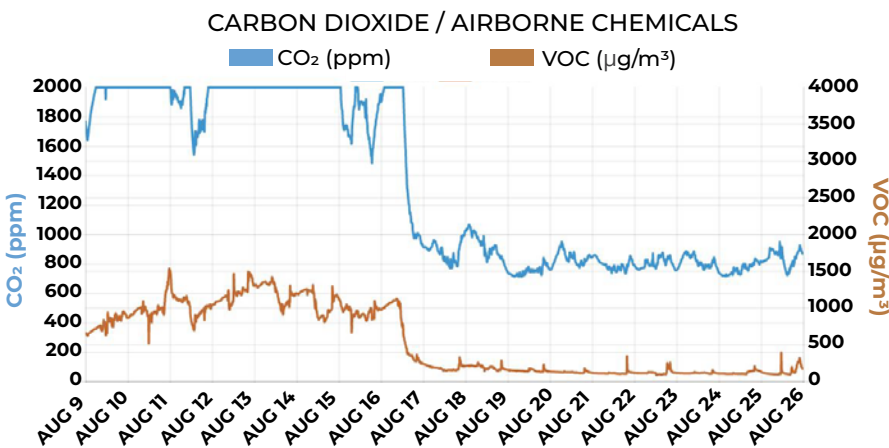
HIGH LEVELS
of harmful chemicals



HIGH LEVELS
of CO₂

SUMMARY

Before and after testing demonstrates what a HRV can do when installed correctly, and why we need them in the first place. This family is now better off because their contractor took the time to test the air. And what happened to the dog? He's okay too, his symptoms went away!



BUILDING FEATURES

Location:

Manitoba, Canada

Year & Style:

2010 single-family bungalow

Number of Bedrooms:

Three

Square Footage:

1300 sq ft

HVAC:

Heating: forced air, 12 years-old
Heat Recovery Ventilator,
12 years-old

