



Air & Gas Leak Case Study

BENEFITS:

- Eliminate excess air usage
- Lower dew point on compressed air system
- Remove excess portable air compressors
- Shut down permanent compressor to use only as backup, if needed
- Identify gas leaks during compressed air leak survey



BACKGROUND:

A small chemical plant that produces plastic additives and acrylic coatings.

THE TASK:

To locate and identify all compressed Air & Gas leaks plant wide. To have someone from the maintenance department work alongside our crew during the survey to repair leaks. Repairing identified leaks it can result in at least 10x the payback for the customer.

SOLUTION:

Locate all compressed Air & Gas leaks using Proprietary testing equipment and supply customer with a detailed Excel report with the following information: size of leak, location of leak, tag number, CFM loss per leak, and total dollar loss per year.

RESULTS:

The customer was able to repair approximately 30% of the leaks identified. Resulting in a 15 to 1 payback before we left the plant.

AIR & GAS LEAK SURVEY

- Total Leaks - 214
- Total CFM - 751
- Est. Annual \$ Loss - 340,000.00

RECOMMENDATIONS:

For the client to implement a yearly compressed air leak survey into the preventative maintenance program to keep unneeded air compressors shut down.

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