Leak Inspection Process FIND AND FIX LEAKS WITH AIRBORNE ULTRASOUND









Plan Survey Route

Review system layout & plan inspection route.



Equipment Checks

Ensure equipment is functioning properly & adheres to safety policies & PPE requirements.



Inspection Technique

The compressed air system should be scanned both up & down & side to side.



Focus on Common Leak Spots

- . Connections on lines
- 2. Quick couplers
- 3. Filters
- 4. Pneumatic cylinders 5. Pressure regulators



- 6. Air dryers
- 7. Isolation valves
- 8. Control valves
- 9. Automatic drain traps
- 10. Air separators



Shielding Techniques

Control background noise (parasitic ultrasound) using shielding techniques to get a clean and accurate signal.



Manage Reflections

Verify that the source of the signal is not a reflection from another ultrasound source.





Perform Repairs Repair the leak.





Ensure the leak was properly repaired and no other has formed by following the above-mentioned steps.





Preliminary Inspection

Perform a quick scan of the area to locate pipes, valves, fitting, & other components.



Locate Leaks

By now, you've probably located some leaks. They must now be documented.



Tag and Document

After verifying a leak, it must be tagged with a smartphone camera/ app, acoustic imager, leak tag, or pipe cleaner.



Report and Document

Create a report to document findings, repairs, and cost savings estimation. Celebrate your wins.

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