

Why Ultrasound for T/A and Construction Leak Detection?

- Efficient way to check for leaks during your N2 purge
- Can find leaks you can't see behind insulation and cladding.
- Find your leaks before introducing liquids or hydrocarbons



How do we do it?


- During your N2 purge, while pressure is being held, we do a quick sweep to listen ultrasonically for leaks
- We can do this inspection at a walking pace and find leaks at as low as 10PSI from as far as 50 feet away
- Once a leak is found, it is tagged and uploaded to our cloud database showing status (repaired/still leaking) A report is sent to facility staff at the end of the day with images and locations.

Then what?

- Our staff will stay onsite during introduction of Hydrocarbons to ensure all leaks have been captured.
- We do recommend a “ full shake down inspection” to be completed 30 days after your facility goes live. This allows for thermal and pressure cycling to reveal new leak points.
 - This inspection can be used as one of the required regulatory inspections.



Tag #33825

UNIT	SUB-DISTRICT	SUB-SUB-DISTRICT
Transmission	S-South	
FACILITY NAME	LAND DESCRIPTION	TYPE
CS-6A 100 Mile House		Compressor
PROCESS BLOCK	PROCESS STREAM	COMPARISON
Fuel Gas	Treatment Air	Natural Gas
COMPONENT TYPE	SIZE	NOTE
Connector - Nipple	1.0"	NAK
COMPONENT DESCRIPTION	COMPONENT NOTES	
1" nipple threads of temperature gauge TI-000275A	Auxiliary fuel gas Bulking	
		
Leak Leaking Inspection		
INSPECTED DATE AND TIME	INSPECTED BY	CLASSIFICATION METHOD
JAN 11 2021 at 12:38 PM	David Roush	Ultrasonic
INSTRUMENT	SAFETY HAZARD	REPAIR RECOMMENDATION AND INSPECTION NOTES
Ultrasonic	No	Leaking from nipple threads of temperature gauge on auxiliary fuel gas line.
To-Do		
DATE	STATUS	ASSIGNED TO
JAN 11, 2021	Complete	
Request		
PROCESSED DATE/TIME	APPROVED BY	REASON FOR REJECT
Fri Jan 15 01:23:07 PM	Dan Murz	Operator tightened nipple, le...

What does your data look like?

- At the end of each day, we email a PDF “One-per-page” report. This report as in its name gives a one page report the current status and location for each leak point
- This data is also available on our cloud-based leak management program at no extra cost.