



Plumbing & Leak detection
Platinum Business Park Unit 40
Taurus Road Brackenfell, 7560
021 200 5887/079 540 1802
info@core-services.co.za

Leak Detection Report

Date:	10/01/2023		
Client:	Pool Leak Detection 1		
Number:	021 200 5887		
Email:	info@core-services.co.za		
Address:	12345 Main Road Stellenbosch		
Technician:	John Smith + Peter Plumb		
Start Time:	08:06	End Time:	09:09
<input type="checkbox"/> Residential	<input checked="" type="checkbox"/> Pool	<input type="checkbox"/> Commercial	<input type="checkbox"/> Other

Client-Site briefing:

Leak detection requested due to pool losing water - Pool loses water faster when pump is running.

Resultant Damages:

None

<u>Area</u>	<u>Item</u>	<u>Test Conducted</u>	<u>Result</u>
Pool	Skimmer line	Gas pressure test	Start Time: 08:45 End Time: 09:02 Start Read: 0,770 Bar End Read: 0,730 Bar
	Jet line/s	Gas pressure test	Start Time: 08:24 End Time: 08:24 Start Read: 0,390 Bar End Read: 0,160 Bar
		Tracer gas detection	Tracer gas detected
		Acoustic test	Positive change in frequency
	Jet/s	Dye test	Dye loss noted

Findings:

At the time of our inspection we conducted a tracer gas pressure test on the pool skimmer line and a small drop in pressure was noted. We conducted a tracer gas detection sweep around the pool and no tracer gas was detected. We conducted various acoustic tests around the pool and no change in frequency was noted. We conducted a tracer gas pressure test on the pool jet line and a significant drop in pressure was noted. We conducted a tracer gas detection sweep around the pool and tracer gas was detected in close proximity to the jet position. A positive change in frequency during an acoustic test in the area confirmed the leak location to be within 1m from the jet position.

Recommendation:

We recommend that the area where the tracer gas was detected and the positive change in acoustic frequency was noted, be opened up in order to visually identify the leak and repair.

Please Note: A leak detection investigation is by all means a process of elimination and once a water leak has been found, the identification of any additional leaks would be subject to the repair of the initial leak.

Photograph	Relevant Description
	<p>Pressure test conducted on skimmer line</p> <p>Time Start: 08:48 Time End: 09:02</p> <p>Read Start: 0,770 Bar Read End: 0,730 Bar</p> <p>Drop in pressure noted on pool skimmer line. No leak identified, Possibly due to a leak on fitting during pressure test.</p>
	<p>Pressure test conducted on jet line</p> <p>Time Start: 08:24 Time End: 08:24</p> <p>Read Start: 0,390 Bar Read End: 0,160 Bar</p> <p>Significant drop in pressure noted on pool jet line during pressure test conducted.</p>
	<p>Area where tracer gas was detected and leak is suspected to be located</p>
	<p>Visual of dye loss on jet close to leak location.</p>