



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:	22/02/2023		
Client:	Pool Leak Detection 2		
Number:	021 200 5887		
Email:	info@core-services.co.za		
Address:	12345 Main Road		
	Durbanville		
	Cape Town		
Technician:	John Smith + Peter Plumb		
Start Time:	13:00		
End Time:	14:00		
<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.

Resultant Damages:

None

<u>Area</u>	<u>Item</u>	<u>Test Conducted</u>	<u>Result</u>
Pool	Skimmer line	Gas pressure test	Start Time: 13:25 End Time: 13:29
			Start Read: 0.46 Bar
			End Read: 0.02 Bar
		Tracer gas detection	Tracer gas detected
		Acoustic test	Positive change in frequency
	Jet line/s	Gas pressure test	Start Time: 13:39 End Time: 13:45
			Start Read: 0.58 Bar
			End Read: 0.58 Bar





Findings:

At the time of our inspection we conducted a tracer gas pressure test on the pool Jet line and no drop in pressure was noted. We conducted a tracer gas pressure test on the pool skimmer line and the line could not build pressure higher than 0.46 Bar and indicated significant pressure loss. We conducted a tracer gas detection sweep around the pool and tracer gas was detected directly behind the pool skimmer box. We also conducted dye tests on all pool accessories and no dye loss was noted.

Recommendation:

We recommend that the area directly behind the pool skimmer box be opened up in order to visually identify the leak and to 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, drop in pressure from:</p> <p>Time Start: 13:25 Time End: 13:29</p> <p>Read Start: 0.46 Bar Read End: 0.02 Bar</p> <p>Significant drop in pressure noted during pressure test conducted on pool skimmer line.</p>
	<p>Pressure test conducted, no drop in pressure from:</p> <p>Time Start: 13:39 Time End: 13:45</p> <p>Read Start: 0.58 Bar Read End: 0.58 Bar</p> <p>No drop in pressure noted during pressure test conducted on pool jet line.</p>
	<p>Visual of tracer gas detected behind skimmer box</p>
	<p>Area where leak is located.</p>