



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:	21/02/2023		
Client:	Pool Leak Detection 3		
Number:	021 200 5887		
Email:	info@core-services.co.za		
Address:	12345 Main Road		
	Bishops Court		
	Cape Town		
Technician:	John Smith + Peter Plumb		
Start Time:	10:00	End Time:	11:20
<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 +/- 110mm over 5 days.

Resultant Damages:

None

Area	Item	Test Conducted	Result
Pool	Skimmer line	Gas pressure test	Start Time: 10:20 End Time: 10:25
			Start Read: 0.77 Bar
			End Read: 0.20 Bar
		Tracer gas detection	Tracer gas detected
		Acoustic test	Positive change in frequency
	Jet line/s	Gas pressure test	Start Time: 10:50 End Time: 10:55
			Start Read: 0.77 Bar
			End Read: 0.77 Bar





Findings:

At the time of our inspection we conducted a tracer gas pressure test on the pool skimmer line and a drop in pressure was noted. We conducted a tracer gas detection sweep between the pump and the skimmer box and tracer gas was detected. We conducted an acoustic test in the area and a positive change in frequency confirmed the leak location to this position. We conducted a tracer gas pressure test on the pool jet line and no drop in pressure was noted. We could not conduct conclusive dye tests on any of the pool features due to pool being green.

Recommendation:

We recommend that the area where the tracer gas was identified be opened up order to visually identify and repair the leak. We recommend that the pool level be monitored and possibly have dye tests performed once the water is clear, should the water loss persist.

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: Time Start: 10:20 Time End: 10:25 Read Start: 0.77 Bar Read End: 0.20 Bar Pressure test conducted on pool skimmer line drop in pressure noted.</p>
	<p>Pressure test conducted, no drop in pressure from: Time Start: 10:50 Time End: 10:55 Read Start: 0.77 Bar Read End: 0.77 Bar No drop in pressure noted during pressure test conducted on the pool jet line</p>
	<p>Visual of tracer gas detected between the pool skimmer box and the pump</p>
	<p>Area where leak is suspected to be located.</p>