

Containment Tightness Test Report



LEIGHTON O'BRIEN

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Date	04/10/2024
Report #	US194168
Site	Dover Mobil Quick Mart 221 Central Ave Dover NEW HAMPSHIR 03820 USA
Inspection Date	04/09/2024

EXECUTIVE SUMMARY

All the containment sumps passed the Dri-Sump tests. There are no recommendations.



AIM

To test all containment sumps on site for compliance purposes as part of the Leighton O’ Brien service.

METHODOLOGY

Dri-sump Containment Tightness Test method uses the proprietary heavy vapor aerosol instead of water to completely fill the sump, interstice or vessel. When installed per the manufacturer’ s placement requirements this method allows for detecting heavy vapor egress from the containment at any point.

The method automatically tests for adequate flow of air and vapor through the backfill each time the system is activated. Any stoppage of flow through the VST or backfill will cause increased vacuum on the View Chamber that is quickly identified by a significant collapse of the View Chamber side walls. A leak is determined by observation of a change in the specialized laser light beam from a dot to a line which is indicative of the presence of the proprietary heavy vapor.

COMMENTS/DISCUSSIONS

All the containment sumps passed the Dri-Sump tests. There are no recommendations.

SUMMARY OF DRI SUMP COMMUNICATION ASSESSMENT

Closed Hose	Open Hose	VST Connect
19.27	2.83	15.25

SUMMARY OF DRI SUMP CONTAINMENT RESULTS AS TESTED

Tank Number				9
Product				Premium
Dispenser Number	1-2	3-4	5-6	
Sump Type	Dispenser Sump	Dispenser Sump	Dispenser Sump	STP Sump
Sump Capacity	50	50	50	200
Construction	Single-Walled	Single-Walled	Single-Walled	Single-Walled
Liquid & Debris Removed	Yes	Yes	Yes	Yes
Visual Inspection (No cracks, loose parts or sump/pipe separation points.)	Yes	Yes	Yes	Yes
Test in Seconds	60	60	60	60
Laser Verification	Dot (PASS)	Dot (PASS)	Dot (PASS)	Dot (PASS)
Final Test Results	Pass	Pass	Pass	Pass

Tank Number	8			
Product	Regular			
Dispenser Number				
Sump Type	STP Sump			
Sump Capacity	200			
Construction	Single-Walled			
Liquid & Debris Removed	Yes			
Visual Inspection (No cracks, loose parts or sump/pipe separation points.)	Yes			
Test in Seconds	60			
Laser Verification	Dot (PASS)			
Final Test Results	Pass			

LASER RESPONSE IMAGES AND SITE PHOTOS



Equipment Set-up



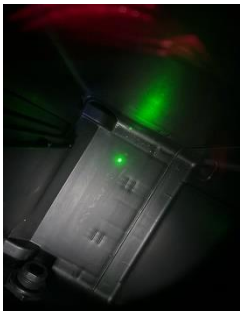
VST Open



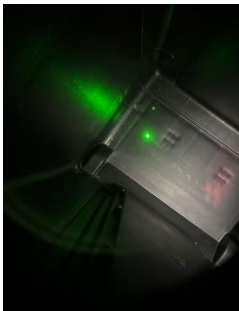
VST Closed



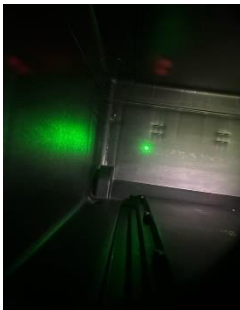
VST Connected



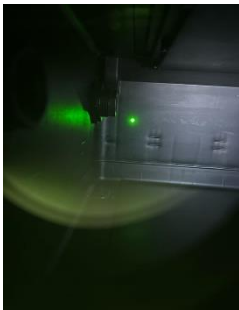
Dispenser Sump 1-2



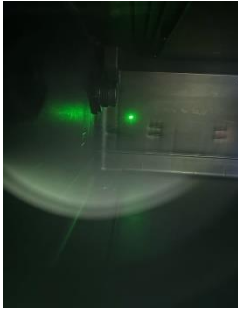
Dispenser Sump 3-4



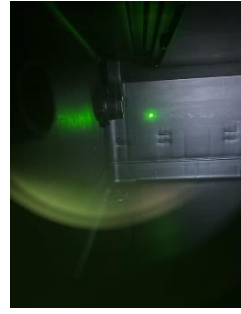
Dispenser Sump 5-6



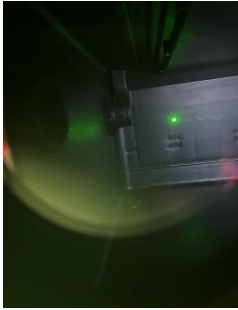
STP Sump 9 VST 1



STP Sump 9 VST 2



STP Sump 8 VST 1



STP Sump 8 VST 2

RECOMMENDATIONS

There are no recommendations.

ADDENDUM

Date of Test	04/09/2024
Technician Name	Jeff Norman
Report Prepared by	Jeff Stevenson

Leighton O’Brien Field Services are provided on the terms and conditions set out in the conditions of sale document. The Leighton O’Brien service is warranted to the invoiced value of services performed as covered in section 68a of the Trade Practices Act.

SITE LOCATION

