



LEIGHTON O'BRIEN

PRECISION TANK & LINE TEST

DIGITAL LEAK DETECTION



Leighton O'Brien's precision tank and line test is the world's fastest, most accurate method of leak detection. Using the very latest technology, there is no leak scenario our test cannot detect. Certified to EPA standards, it's the most advanced, practical and reliable test available. Technicians can better diagnose problems including the smallest leaks, water ingress and equipment issues, so any repairs or rectification can be made sooner. And they can be off your forecourt quicker.

THE BEST TECHNOLOGY

Leighton O'Brien's precision tank and line test is a mass-based volumetric tightness test using the latest sensor technology, data collection and analysis software. It takes continuous mass readings on the wet area, and pressure or vacuum readings simultaneously on the tank ullage and associated lines with multiple sensors, providing real-time feedback on system integrity.



FAST

- Tank test: 1 hour, 7 mins, dry line test: 3 mins, wet line test: 17.5 mins
- Instant technician feedback, enabling onsite diagnosis and resolution of leaks
- Wet, ullage, interstice and line test conducted simultaneously
- Can test multiple tanks and lines at the same time



ACCURATE

- EPA certified capability to test to 0.025 gallons p/hr
- 400% more accurate than current USA required leak detection
- We find 100% of leaks
- Mass readings digitally recorded, stored and reported



SAFE

- Comprehensive technician training and ongoing support program



RELIABLE

- Fully automated testing system
- Greater confidence in results through continuous technician feedback and quality control results
- Test is not impacted by temperature, atmospheric conditions, vapor pockets or ambient noise



COMPREHENSIVE

- High definition, continuous mass readings every second from all parts of the tank
- Can be used on any petroleum product
- 3rd party engineer reviewed results
- Detailed, easy to read reports



CERTIFIED

- By Ken Wilcox & Associates
- Listed on NWGLDE



HOW IT WORKS

01 | Establish safe work area, set up equipment

03 | Inject nitrogen for pressure or draw vacuum into ullage space to measure any change in pressure

05 | Data uploaded to cloud and analysed by qualified engineers

02 | Begin test. Start recording continuous mass readings for wet space that measures any change in mass

04 | Continue simultaneous testing of wet and ullage space for relevant period. Technician receives real time results, diagnoses any leaks/issues

06 | Digital report sent to customer

TEST CARRIED OUT TO HIGHEST SAFETY STANDARDS.

THE LEIGHTON O'BRIEN ADVANTAGE

- Can detect pressure or vacuum changes in Pascals, enabling detection of the smallest liquid movement
- Can detect a level change of 1/1000mm to identify any loss of system integrity
- Your entire system can be tested in any configuration on a single technology platform
- Tanks can be tested at any fill level, including empty tanks, with the same high degree of accuracy
- Testing just tanks is not enough - 90% of new sites we test have a leak in the product lines
- Our engineers make the final call on results through analysis of digital data to identify leak detection patterns beyond a simple pass or fail



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