

Tank and Line Testing



“Fast, accurate leak detection”

Key features & benefits

The tank test:

- Fast & accurate: from 45 minutes per tank
- Test at any product level, including empty tanks
- Test any product, including water
- Minimum down time for sites
- No waste water generated
- No costly disposal fees
- No need to cut concrete

When it comes to tank and line testing, you need the best technology available, meeting the highest environmental standards. That’s why the experts at PetroMonitor Africa have the solutions you need.

With almost two decades of experience across Southern Africa, the team at PetroMonitor offers a comprehensive range of quality underground tank and line testing for major oil companies, network and independent fuel retailers.

Trusted and respected, our range of leak detection technologies are certified to the US EPA’s rigorous certification protocols. We are proud of the reliability of our tests, which can detect leaks with a precision unmatched by others. There is no leak scenario that our test method cannot detect.

“The best technology and service meets the **highest environmental standards**”



Tank and Line Testing

Key features & benefits

The line test:

- Fast & accurate: 3 minutes for dry lines, 17.5 minutes for wet lines
- All measurements are digitally recorded
- No fuel handling required

How it works

Our tank test measures minuscule changes in the **mass** in the tank over a specified period of time. We are able to test under all known leak scenarios using aerospace measurement technology. Qualified technicians conduct the tank and line tests, sending the data to be analysed by our team of qualified engineers. The data is reviewed and a diagnostic report is produced and sent to you electronically, with a hard copy if required.

Why **mass and not vacuum based** testing?

1. Although our technology is certified to conduct a test under vacuum, we choose to conduct all of our work using a mass-based underfill test – simply because this method avoids many of the issues that plague vacuum tests and allows clear identification of all leaks for quick repair.
2. With vacuum testing you cannot ‘hear’ a leak no matter how sensitive your equipment if the leak has been sealed by the vacuum force. Eighty-five per cent of ullage leaks will occur in manways, and by exerting a vacuum force of over 30 kilo Pascal (as is standard in some vacuum acoustic tests), a force equivalent to placing a 6.4 tonne weight on the manway is exerted during the test. This force effectively seals any leaks causing a FALSE pass only return when the vacuum is released.
3. Traditionally vacuum tests don’t diagnose the issue; rather you just receive a pass or fail result. With PetroMonitor we can advise if liquid is entering or leaving the tank and at what rate, allowing you to accurately assess the next steps.



For more information on PetroMonitor Africa’s tank and line testing services visit www.petromonitor.co.za or call +27 21 671 9312