



## Leak Technologies Solutions Ltd.

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### ACOUSTIC PRESSURE TEST

1. The technician will ensure the vehicle is safely positioned and is OFF before exiting the vehicle.
2. The technician will identify himself to the contact person at the site and obtain a safe-work permit.
3. A tail-gate meeting will be held with all concerned parties to explain the test procedure and gain specific site information.
4. This procedure is an electronically controlled system. The process uses an acoustic transducer, which collects data from inside the vessel.
5. The transducer is inserted into an empty vessel and the entrances are then sealed.
6. Once the transducer is inserted and the system sealed, a background noise reference is recorded.
7. Pressure is introduced into the system (nitrogen). The test pressure is determined by the depth of the tank.
8. The program then runs a test comparison on the background already achieved and the noise ratio after the nitrogen is introduced.
9. The digital leak test data is collected to determine if the Ullage portion of the tank passed or failed.
10. The process has been EPA third party certified to the non-volumetric protocol.
11. We guarantee an accurate cost-effective result to your D-55 regulatory compliance testing.
12. At the conclusion of the test, the technician will remove all test equipment and return the safe work permit to the originator or their designate.
13. The vessel may then be returned to normal service or remedial action taken.
14. A written report will be provided.

Reviewed Oct 31/16

*"Precision Testing and Inspection Specialists"*