

The Corrosion Report

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Cargo Tanker Newsletter

Provided by: Corrosion Shield Inc. CT 12872 SP # 16288

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Continuity Safety- S-CAT

Steel cargo trailers that are lined have always had the capability of using continuity testers to test for a breach in the lining to the structure. Spark testing per DOT 180.407, (f) using a spark tester has been the conventional method for years. This is used for mostly in rubber lined vessels.

This information is my interpretation of the requirements and code following DOT 180.407 in the 49 CFR.

I have worked for many years to develop the experience and credibility to manage the proper inspections for these tankers. CSI works with NTTC and DOT to follow the regulations as written. Please email office@csicomposites.com for additional questions or comments

Most all of the Special Permit FRP tankers offer continuity.

This list has been developed to show the training and experience that Corrosion Shield Inc., or a similar shop would want to have as a minimum, to repair or inspect DOT 49 CFR 180.407 lined or FRP Composite (SP) cargo tankers. If the inspection involves a Special Permit trailer, then a copy of the special permit needs to be obtained, and the manufacturer notified if the permit requires, of any work to be performed.

Minimum Recommended Items

Minimum requirements for inspection and repairs of lined or all composite cargo tankers

1. DOT CT registration number.
2. Meet all the requirements of 49 CFR parts 180.407 including but not limited to:
 - ◆ Registered inspector with the proper credentials per 171.8. Including case histories showing actual experience in lined cargo tank inspections and work.
 - ◆ Required training and record keeping per 172.700
 - ◆ Required documentation and training in 180.407 all parts including 180.407 (e) and (f), including calibration plates.
 - ◆ Minimum qualifications of 180.409.
 - ◆ Responsible inspection reports per 180.411.

Additionally Recommended

DOT/ NTTC training seminar on Cargo tank testing and inspection courses as required. Please visit www.phmsa.dot.gov and www.tanktruck.org