The test procedure determines the amount and rate of change of the mass of the product contained within the tank during a data collection period. The test data is used to calculate a leak rate and the mechanical integrity of the tank.

Test Procedures
- A sensor is placed on the tank bottom through a 3 inch or larger opening in the tank top
- A hose and tech cable connects the sensor to a remote PC and differential pressure transducer located beside the tank
- Nitrogen is conveyed to the sensor at a precisely controlled rate
- The amount of pressure applied against a stream of bubbles at the tank bottom corresponds to the differential pressure
- The pressure is measured by a micro-sensitive pressure transducer and is recorded on a real-time basis
- Data analysis accurately calculates any change in the mass of fluid and determines if there is a loss
- Test results are generated onsite with 30-foot diameter tanks and larger tanks require offsite data analysis

Test Specifications
- Non-intrusive, non-hazardous and intrinsically safe
- The tank must contain 50% or greater fluid volume
- Inlets and outlets should be blinded
- Meets regulatory requirements
- Tanks must be taken out of service during the data collection

<table>
<thead>
<tr>
<th>Tank diameter</th>
<th>Data Collection Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 30 feet</td>
<td>6 hours</td>
</tr>
<tr>
<td>30 to 80 feet</td>
<td>48 hours</td>
</tr>
<tr>
<td>Greater than 80 feet</td>
<td>72 hours</td>
</tr>
</tbody>
</table>

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