



KIRBY INLAND MARINE, LP
 MAINTENANCE DEPARTMENT
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VAPOR TIGHTNESS TEST

Note: Test Results are Valid for (1) One Year from Date of Test!

Vessel Name: AL 2300 Test Date: 21 June 2013
 Testing Location: Southwest Channelway Maximum Load Rate: (BPH) 3,500 bph
 Tanks Tested: All Pressure Indicator: Cat Gauge

TEST RESULTS

Test Duration: 30 Minutes Beginning Pressure: 28 Inches H2O
 Ending Pressure: 28 Inches H2O
 Total Pressure Loss: 0 Inches H2O
 Allowable Pressure Loss: 25,675 Inches H2O

Barge is Vapor Tight if "Total Pressure Loss" is LESS than "Allowable Pressure Loss"
 This vessel has been tested in accordance with Section 61.304F and has been found to be vapor tight.

Tester: (Print) Charles Williams

Witness: (Print) Jeffrey Chandler

Tester: (Signature) [Signature]

Witness: (Signature) [Signature]

Affiliation of Witness: 913 Kirby Barge Mechanic

- (P1) - Beginning Pressure
- (Delta P) - Total Pressure Loss
- (TP) - 14.7 plus Barge Test Pressure in PSI
- (V) - Volume of Tank (s)
- .861 - PIA @ (P1)
- (P2) - Ending Pressure
- (Delta PM) - Allowable Pressure Loss
- (L) - Maximum Load Rate in BPH
- (Delta T) = Test Duration

$$.861 \times \frac{15.7}{(TP)} \times \left(\frac{3,500}{(L)} \right) / \frac{25,675}{(V)} = \frac{1.84}{(\text{Delta PM})}$$