



KIRBY INLAND MARINE, LP  
 MAINTENANCE DEPARTMENT  
 18350 MARKET ST.  
 CHANNELVIEW, TX 77530

OFFICE (713) 435-1730

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**VAPOR TIGHTNESS TEST**

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

Vessel Name: Kirby 29109 Test Date: 04-26-2024  
 Testing Location: Kirby Cleaning Facility Maximum Load Rate: (BPH) 5000  
 Tanks Tested: ALL Pressure Indicator: Gauge

**TEST RESULTS**

Test Duration: 30 Minutes Beginning Pressure: 140 Inches H20  
 Ending Pressure: 140 Inches H20  
 Total Pressure Loss: 0 Inches H20  
 Allowable Pressure Loss: 2.97 Inches H20

**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.

Jose Gutierrez  
 Tester: (Print)

David King  
 Witness: (Print)

Jose Gutierrez  
 Tester: (Signature)

[Signature]  
 Witness: (Signature)

Kirby Inland Marine LP  
 Affiliation of Witness:

- (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

$$.861 \times \frac{19.7}{(TP)} \times \left( \frac{5000}{(L)} \div \frac{28500}{(V)} \right) = \frac{2.97}{(\text{Delta PM})}$$



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### VAPOR TIGHTNESS TEST

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

Vessel Name: \_\_\_\_\_ Test Date: \_\_\_\_\_  
 Testing Location: \_\_\_\_\_ Maximum Load Rate: (BPH) \_\_\_\_\_  
 Tanks Tested: \_\_\_\_\_ Pressure Indicator: \_\_\_\_\_

### TEST RESULTS

Test Duration: 30 minutes Beginning Pressure: \_\_\_\_\_ inches H2O  
 Ending Pressure: \_\_\_\_\_ inches H2O  
 Total Pressure Loss: \_\_\_\_\_ inches H2O  
 Allowable Pressure Loss: \_\_\_\_\_ inches H2O

Gauge in Vapor Tight if "Total Pressure Loss" is LE 5% than "Allowable Pressure Loss".  
 The vessel has been tested in accordance with Section 2204P and has been found to be vapor tight.

Tester: (Print) \_\_\_\_\_ Witness: (Print) \_\_\_\_\_  
 Tester: (Signature) \_\_\_\_\_ Witness: (Signature) \_\_\_\_\_  
 Affiliation of Witness: \_\_\_\_\_

(P1) - Beginning Pressure  
 (Delta P) - Total Pressure Loss  
 (TF) - 14.7 psi Gauge Test Pressure in PSI  
 (V) - Volume of Tank (s)  
 - P1A @ (P1)  
 881 x \_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_  
 (TF) (V) (L)

(P2) - Ending Pressure  
 (Delta PM) - Allowable Pressure Loss  
 (L) - Maximum Load Rate in LPH  
 (Delta T) = Test Duration

(Delta PM) \_\_\_\_\_