

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

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**VAPOR TIGHTNESS TEST**

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

Vessel Name: Kirby 10105 Test Date: 5/13/24  
 Testing Location: Texas Barge Maximum Load Rate: (BPH) 3,500  
 Tanks Tested: All Pressure Indicator: Cast Gauge

**TEST RESULTS**

Test Duration: 30 Minutes Beginning Pressure: 84 Inches H2O  
 Ending Pressure: 84 Inches H2O  
 Total Pressure Loss: 0 Inches H2O  
 Allowable Pressure Loss: 5.33 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.

Bill P Sunday  
 Tester: (Print)

Jeremy Fox  
 Witness: (Print)

Phillip Sunday  
 Tester: (Signature)

J. Fox  
 Witness: (Signature)

Kirby Inland Marine  
 Affiliation of Witness:

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

$$.861 \times \frac{17.7}{(TP)} \times \left( \frac{3,500}{(L)} - \frac{10,000}{(V)} \right) = \frac{5.33}{(Delta PM)}$$

WHITE COPY - VESSEL YELLOW COPY - BARGE DOCUMENT CONTROL COORDINATOR PINK COPY - BOOK COPY

Kirby Form #MR-06-02  
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