



### VAPOR TIGHTNESS TEST

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

Vessel Name: Kirby 28031 Test Date: 8-19-24  
 Testing Location: Mr Vernon IN Maximum Load Rate: (BPH) 5000  
 Tanks Tested: all Pressure Indicator: Cert Gauge

### TEST RESULTS

Test Duration: 30 Minutes Beginning Pressure: 28 Inches H20  
 Ending Pressure: 28 Inches H20  
 Total Pressure Loss: 0 Inches H20  
 Allowable Pressure Loss: 2.13 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.

Xon Butcher  
 Tester: (Print)

Xon R  
 Tester: (Signature)

Ken Hake  
 Witness: (Print)

[Signature]  
 Witness: (Signature)

Kirby Rep  
 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)

$$.861 \times \frac{15.7}{(TP)} \times \left( \frac{5000}{(L)} \div \frac{31660}{(V)} \right) = \frac{2.13}{(Delta PM)}$$