



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: HTCO 3103 Test Date: 10/23/24
 Testing Location: T.T. 183 Maximum Load Rate: (BPH) 5,000
 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: Ø Inches H20
 Allowable Pressure Loss: 2.3 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.

Sherman Henderson
 Tester: (Print)

Roderick Hebert
 Witness: (Print)

Sherman Henderson
 Tester: (Signature)

[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)

$$.861 \times \frac{15.7}{(TP)} \times \left(\frac{5,000}{(L)} \right) \times \frac{29,069}{(V)} = \frac{2.3}{(Delta PM)}$$