



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: Kirby 29070 Test Date: 6-14-2024
 Testing Location: Kirby 225 Maximum Load Rate: (BPH) 5000
 Tanks Tested: A11 Pressure Indicator: Conf. 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: 2.31 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.

Donnell Handberg
 Tester: (Print)

Scott Firmin
 Witness: (Print)

Donnell Handberg
 Tester: (Signature)

Scott Firmin
 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)

$$.861 \times \frac{15.7}{(TP)} \times \left(\frac{5000}{(L)} \div \frac{29254}{(V)} \right) = \frac{2.31}{(\text{Delta PM})}$$