



# ARCOSA MARINE PRODUCTS, INC.

Document No.: ASH-QA-F-904  
Rev. / Issue Date: 00 5/19/2020

DOCUMENT: Controlled Form List  
TITLE: Vapor Tightness Test Report

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Approved By: Rickey Calhoun

## VAPOR TIGHTNESS TEST REPORT

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

Vessel Name:	<u>HFL 232 SS</u>	Test Date:	<u>2/3/2025</u>
Testing Location:	<u>Ashland City, TN #296</u>	Maximum Load Rate: (BPH)	<u>5000</u>
Tanks Tested:	<u>All Cargo Tanks</u>	Pressure Indicator	<u>MANOMETER</u>

### TEST RESULTS

Test Duration: 30 Minutes	Beginning Pressure	<u>172"</u>	Inches H2O
	Ending Pressure	<u>171"</u>	Inches H2O
	Total Pressure Loss	<u>1"</u>	Inches H2O
	Allowable Pressure Loss	<u>8.1946</u>	Inches H2O

Barge is Vapor Tight if "Total Pressure Loss" is LESS than "Allowable Pressure Loss"

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

$$.861 \times \frac{20.7}{(TP)} \times \frac{5000}{(L)} \div \frac{10,874.64}{(V)} = \frac{8.1946}{(Delta PM)}$$

This vessel has been tested in accordance with Section 61.304F and has been found to be vapor tight.

Colton Plucker 2/3/25  
Signature of Arcosa Marine Tester DATE  
Colton Plucker  
PRINT Name of Arcosa Marine Tester

Gerald Brown 2/3/25  
Signature of Arcosa Marine Witness DATE  
Gerald Brown  
PRINT Name of Arcosa Marine Witness