



TRINITY INDUSTRIES, INC.
BUSINESS UNIT # 296

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Revised By: Howard Abell

Approved By: Howard Abell

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TITLE: Vapor Tightness Test Report

VAPOR TIGHTNESS TEST REPORT

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

| | | | |
|-------------------|------------------------------|--------------------------|------------------|
| Vessel Name: | <u>GBL 6230</u> | Test Date: | <u>9/18/2019</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>86 3/4</u> | Inches H2O |
| | Ending Pressure | <u>86 1/4</u> | Inches H2O |
| | Total Pressure Loss | <u>1/2"</u> | Inches H2O |
| | Allowable Pressure Loss | <u>2.5868</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 plus Barge Test Pressure in PSI | (L) - Maximum Load Rate in BPH |
| (V) - Volumn of Tank (s) | (Delta T) = Test Duration |
| .861 - PIA @ (P1) | |

$$.861 \times \frac{17.7}{(TP)} \times \frac{5000}{(L)} \div \frac{29,456.19}{(V)} = \frac{2.5868}{(Delta PM)}$$

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

Aumar Mallick 9/18/19
 Signature of Trinity Marine Tester DATE
Aumar Mallick 9/18/19
 PRINT Name of Trinity Marine Tester

Gerald Brown 9/18/19
 Signature of Trinity Marine Witness DATE
Gerald Brown
 PRINT Name of Trinity Marine Witness