



MARINE VESSELS VAPOR TIGHTNESS DOCUMENTATION

REQUIRED SUBPART BB-NATIONAL EMISSION STANDARDS FOR BENZENE EMISSIONS FROM TRANSFER  
OPERATIONS SECTION 61.00-61.306

VESSEL: E2 MS 104 OFFICIAL NUMBER: 1294899  
TESTING LOCATION: ARTCO PEKIN MAXIMUM LOADING RATE (BPH) 3,200  
TANK(S) TESTED: All PRESSURE INDICATOR: MANOMETER  
VESSEL OWNER AND ADDRESS: FLORIDA MARINE 2360 FIFTH ST- MANDEVILLE LA

TEST RESULTS

TEST DATE: 8-25-21  
BEGINNING PRESSURE: 28" OF H<sub>2</sub>O BEGINNING TIME: 1100  
ENDING PRESSURE: 28" OF H<sub>2</sub>O ENDING TIME: 1130  
TOTAL PRESSURE LOSS: 0 ALLOWABLE PRESSURE LOSS: 3.91 OF H<sub>2</sub>O

NOTE: VESSEL IS CONSIDERED VAPOR TIGHT IF "TOTAL PRESSURE LOSS" IS LESS THAN "ALLOWABLE PRESSURE LOSS"

THIS VESSEL HAS BEEN TESTED IN ACCORDANCE WITH SECTION 61.304F, AND IS  
CONSIDERED VAPOR TIGHT.

TESTER: D.J. GOIN (PRINT) WITNESS: JARRID GOIN (PRINT)  
TESTER: [Signature] (SIGN) WITNESS: [Signature] (SIGN)  
FMAT  
AFFILIATION OF WITNESS

CALCULATION OF ALLOWABLE PRESSURE LOSS:

$$0.861 \times \frac{15.7}{(TP)} \times \left( \frac{3,200}{(L)} / \frac{11,066}{(V)} \right) = \frac{3.91}{(APL)}$$

TP = 14.7 PLUS THE BARGE TEST PRESSURE IN PSI (1psi = 16 ounces)

L = MAXIMUM LOADING RATE IN BARRELS PER HOUR

V = VOLUME OF TANK(S) IN BARRELS

APL = ALLOWABLE PRESSURE LOSS IN INCHES OF WATER

NOTES: 14.70psi = 406.8 inches of H<sub>2</sub>O  
1psi = 27.67 inches of H<sub>2</sub>O  
1 inch = 25.40 mm  
1 inch = 2.54 cm  
1oz. = 1.729 inches OF H<sub>2</sub>O