

MARINE VESSELS VAPOR TIGHTNESS DOCUMENTATION

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

VESSEL: FMT 3034 OFFICIAL NUMBER: 1100352
TESTING LOCATION: FMT Shipyard MAXIMUM LOADING RATE (BPH) 5,000
TANK(S) TESTED: ALL PRESSURE INDICATOR: Manometer
VESSEL OWNER AND ADDRESS: FMT Industries LLC 7360 5th St. Minnetonka, MN 55341

TEST RESULTS

TEST DATE: 12-3-25
BEGINNING PRESSURE: 28" OF H₂O BEGINNING TIME: 0600
ENDING PRESSURE: 28" OF H₂O ENDING TIME: 0700
TOTAL PRESSURE LOSS: 0 ALLOWABLE PRESSURE LOSS: 2.2" OF H₂O

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 61.304E AND IS CONSIDERED VAPOR TIGHT.

TESTER: [Signature] (PRINT) WITNESS: Adam Braud (PRINT)
TESTER: [Signature] (SIGN) WITNESS: [Signature] (SIGN)

FMT
AFFILIATION OF WITNESS

CALCULATION OF ALLOWABLE PRESSURE LOSS:

$$0.861 \times \frac{15.7}{(TP)} \times \left(\frac{5,000}{(L)} + \frac{30,706}{(V)} \right) = \frac{2.2}{(APL)}$$

TP= 14.7 PLUS THE BARGE TEST PRESSURE IN PSI (1 psi = 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: 14.7psi = 106.8 inches of H₂O
1psi = 27.67 inches of H₂O
1 inch = 25.40 mm
1 inch = 2.54 cm
1oz = 1.729 inches OF H₂O