

T.T. COATINGS, INC.

NINE MILE POINT

2012 RIVER RD., WESTWEGO. LA. 70094

OFFICE# 436-3766, FAX# 436-3855

CARGO PIPELINE TEST CERTIFICATE

The cargo pipeline on barge FMT 3078 was tested to 187.5 psi, 1.5 times it's maximum allowable working pressure(MAWP) and proved operable in accordance with 33CFR 156.170.

The cargo pipelines relief valve was tested & lifted at 125 psi.

The cargo pipeline pressure gauge is working within 10% of shown pressure.

Date: 1-30-24

Signature: 

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2012 RIVER RD. WESTWEGO, LA. 70094
OFFICE: (504)436-3766 FAX: (504)346-3855

MARINE VESSELS VAPOR TIGHTNESS DOCUMENTATION

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

VESSEL: FMT 3078 OFFICIAL NUMBER: 1119273
TESTING LOCATION: T.T. BARGE, Mile 104 MAXIMUM LOADING RATE (BPH) 5,000
TANK(S) TESTED: ALL PRESSURE INDICATOR: MANOMETER
VESSEL OWNER AND ADDRESS: J. RUSSELL FLOWERS INC.
560 MAIN ST., PO BOX 1439, GREENVILLE, MS. 38701

TEST RESULTS

TEST DATE: 1-30-24
BEGINNING PRESSURE: 28" of H₂O BEGINNING TIME: 1330
ENDING PRESSURE: 28" of H₂O ENDING TIME: 1400
TOTAL PRESSURE LOSS: 0 ALLOWABLE PRESSURE LOSS: 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 61.304F, AND IS CONSIDERED VAPOR TIGHT.

TESTER: Shane Guidry (PRINT) WITNESS: CHARLES HASSELL (PRINT)

TESTER: Shane Guidry (SIGN) WITNESS: Chris Hassell (SIGN)

T. T. COATINGS, Inc.
AFFILIATION OF WITNESS

CALCULATION OF ALLOWABLE PRESSURE LOSS:

$$0.861 \times \frac{15.7}{(TP)} \times \left(\frac{5,000}{(L)} \div \frac{29,580}{(V)} \right) = \frac{2.28}{(APL)}$$

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:
14.70psi = 406.8 inches of H₂O
1psi = 27.67 inches of H₂O
1 inch = 25.40 mm
1inch = 2.54 cm
1oz. = 1.729 inches OF H₂O