

T.T. BARGE SERVICES, LLC

MILE 237 CLEANING

5190 NORTH RIVER RD. PO BOX 1111 ALLEN, LA. 70767

OFFICE: (215) 267-4505 FAX: (215) 267-4570

MARINE VESSELS VAPOR TIGHTNESS DOCUMENTATION

REQUIRED SUBPART 33-NATIONAL EMISSION STANDARDS FOR BENZENE EMISSIONS FROM TRANSFER OPERATIONS SECTION 61.306

VESSEL: CSC-1369

OFFICIAL NUMBER: 1244707

TESTING LOCATION: T.T. Barge mile 237

MAXIMUM LOADING RATE (BPH): 3500

TANK(S) TESTED: A11

PRESSURE INDICATOR: Gut Gauge

VESSEL OWNER AND ADDRESS: Cornel Barge Co 1801 Engman Rd Belle Glade

TEST RESULTS

TEST DATE: 8:30:26

BEGINNING PRESSURE: 28

BEGINNING TIME: 1400

ENDING PRESSURE: 28

ENDING TIME: 1430

TOTAL PRESSURE LOSS: 0

ALLOWABLE PRESSURE LOSS: 4.1

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: Cory B. Womack (PRINT)

WITNESS: Matthew Pitt (PRINT)

TESTER: Cory B. Womack (SIGN)

WITNESS: Matthew Pitt (SIGN)

T.T. Barge Services, LLC
AFFILIATION OF WITNESS

CALCULATION OF ALLOWABLE PRESSURE LOSS:

$$0.351 \times \frac{15.7}{(TP)} \times \frac{3500}{(L)} \times 11300 = \frac{4.1}{(APL)}$$

TP = 14.7 PLUS THE BARGE TEST PRESSURE IN PSI

L = MAXIMUM LOADING RATE IN BARRELS PER HOUR

V = VOLUME OF TANK(S) IN BARRELS

APL = ALLOWABLE PRESSURE LOSS IN INCHES OF WATER

NOTES:

14.70 psi = 406.8 inches of H₂O

1 psi = 27.67 inches of H₂O

1 inch = 25.40 mm

1 inch = 2.54 cm

1 oz. = 1.729 inches of H₂O