



# GOLDING BARGE LINE

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## TANKBARGE VAPOR TIGHTNESS TEST

BARGE NAME: GBL 5630

TEST DATE: 9-6-23

P/V VALVE IS SET AT 3.0 PSI

PM = MAXIMUM ALLOWABLE PRESSURE CHANGE

PIA = STARTING PRESSURE (1.0 PSI)

L = MAXIMUM LOADING RATE (5000 BBLS)

V = TOTAL CARGO TANK VOLUME (BBLS) (29400 BBLS)

PM = (.861) X (PIA) X (L/V) .152 PSI

MINIMUM TANK PRESSURE AFTER 30 MIN TEST .848 PSI

Barge vapor pressure must be at least 1 PSI at start of test

TIME TEST STARTED: 1130 TIME TEST STOPPED: 1200 (AT LEAST 30 MINUTES)

P1 = INITIAL PRESSURE 1 PSI

P2 = PRESSURE AFTER 30 MINUTE TEST 1.0

P1 - P2 = 0 (The difference in test pressure from start to finish)

IS DIFFERENCE LESS THAN (.152) (YES - PASSED)

(NO - FAILED) (If failed please contact GBL Operations Department)

This barge was tested in accordance with the National Emission standards for Benzene emissions from Benzene transfers operations, section 40 CFR, 61.304 (f), and National Emission standards for Hazardous air pollutants section 40 CFR 63.565 (c).

TESTED BY: (PRINT) Jacob Artman

(SIGNED) Jac Artm

WITNESSED BY: (PRINT) David Hutchinson

(SIGNED) David Hutchinson