



America's Largest Inland Shipyard

Jeffboat LLC

Jeffboat Vapor Tightness Document

Vessel Owner Golding Brother Marine III, Inc.

Vessel Name GBL 5630

Official Number 1272440

- 1) All cargo tanks shall be pressurized with dry air or inert gas to not less than 1.0 psig and not more than the pressure of the lowest relief valve setting.
- 2) Once the pressure is obtained, the dry air or inert gas source shall be shut off.
- 3) At the end of one-half hour, the pressure in the cargo tanks shall be measured. The change in pressure must be less than or equal to PM (calculated below) for the tank to meet vapor-tightness requirements.

L - maximum permitted barge loading rate	6,250 BBL/hr
V - total volume of cargo tanks	29,003 BBL
PV valve pressure setting	3.00 psi
P1 - Initial Pressure	1.01 psi
	27.96 In H <sub>2</sub> O
Pia - pressure in tank when source is shut off	15.71 psia
PM - maximum allowable pressure change ( $0.861 * P_{ia} * L/V$ )	2.91 In H <sub>2</sub> O
	0.11 psi
P2 - minimum pressure after 1/2 hour time ( P1 - PM )	25.05 In H <sub>2</sub> O
	0.90 psi

Test Data

Duration of Test 30 Minutes

P1 16 Oz/in2

P2 16 Oz/in2

Test Date 11/22/2016

Tester (print) Cutter Cook

I certify that this barge has met the tightness requirements of 40 CFR 61.304(f) and 40 CFR 63.565(c)

Witness (print) PETE CHAMBERS

Witness Signature Pete Chambers

Tester and Witness are employees of Jeffboat LLC