



America's Largest Inland Shipyard

Jeffboat LLC

Jeffboat Vapor Tightness Document

Vessel Owner GOLDING BROTHERS MARINE III, LLC

Vessel Name GBL 5930

Official Number 1277366

- 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	5,000 BBL/hr
V - total volume of cargo tanks	29,003 BBL
PV valve pressure setting	3.00 psig
P1 - Initial Pressure	1.01 psig
	27.96 In H <sub>2</sub> O
	16.16 oz/in <sup>2</sup>
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Pia - pressure in tank when source is shut off	15.71 psia
PM - maximum allowable pressure change ( 0.861*Pia*L/V )	2.33 In H <sub>2</sub> O
	0.08 psig
	1.35 oz/in <sup>2</sup>
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P2 - minimum pressure after 1/2 hour time ( P1 - PM )	25.63 In H <sub>2</sub> O
	0.93 psig
	14.81 oz/in <sup>2</sup>

Test Data

Duration of Test 30 Minutes

P1 16 PSIG / In H<sub>2</sub>O (Circle One) Oz/in<sup>2</sup>

P2 16 PSIG / In H<sub>2</sub>O (Circle One) Oz/in<sup>2</sup>

Test Date 7-21-17

Tester (print) Gutter 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**