



America's Largest Inland Shipyard

Jeffboat LLC

Jeffboat Vapor Tightness Document

Vessel Owner Golding Brother Marine III, Inc.

Vessel Name GBL 5530

Official Number 1272439

- 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 H₂O

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 H₂O

0.11 psi

P2 - minimum pressure after 1/2 hour time (P1 - PM) 25.05 In H₂O

0.90 psi

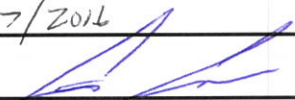
Test Data

Duration of Test 30 Minutes

P1 16.5 Oz/in²

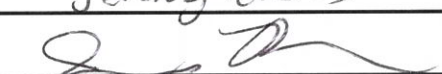
P2 16.15 Oz/in²

Test Date 11/07/2016

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) Jeremy Rogers

Witness Signature 

Tester and Witness are employees of Jeffboat LLC