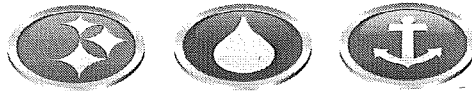


# TUBAL-CAIN MARINE SERVICES



## Vapor Tightness Test

*Note: Test results are valid for (1) year from date of test!*

Date: <u>8/6/2018</u>	Official Number: <u>1248273</u>
Vessel: <u>E2MS 302</u>	Pressure Indicator: <u>Manometer Method: 1 psi Air</u>
Owner: <u>E Squared Marine</u>	Testing Location: <u>Tubal-Cain Marine Services Inc.</u>
Address: <u>1102 S friendswood Dr</u> <u>Friendswood , Tx 77546</u>	Physical Address: <u>8700 Old Yacht Club Rd</u> <u>Port Arthur, TX 77642</u>

### TEST RESULTS

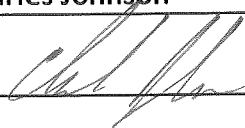
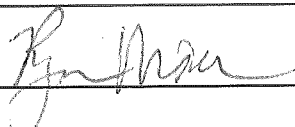
*\*\*\* Barge is vapor tight if "Total Pressure Loss" is LESS than "Allowable Pressure Loss" \*\*\**

<b>Test cargo tanks and related vapor system to <u>1 lb.</u></b>			
Beginning pressure: <u>28</u> inches H2O	Time started: <u>6:00 AM</u>		
Ending pressure: <u>27.75</u> inches H2O	Time completed: <u>7:00 AM</u>		
Total pressure loss: <u>0.25</u> inches H2O	Allowable pressure loss: <u>1</u>		

*The following barge was tested in accordance with the national emission standard for benzene emissions from benzene transfer operations, section 40 CFR 61.304 (f) and section 40 CFR 63.565 (c)*

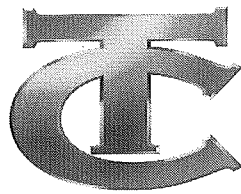
### SIGNATURES

*I credit that the tests contained herein were conducted in compliance with 46 CFR 35.35-70*

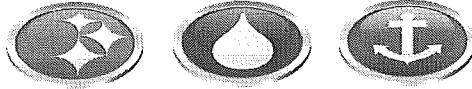
Tester name: Charles Johnson
Tester signature: 
Witnessing inspector name: Ryan Moreau
Witnessing inspector signature: 
Witnessing inspector affiliation: Tubal Cain repair manager

**Tu'bal Cain (tu'bal-kan):**

Tubal, the smith, the son of Lemech and his wife Zilah, who is described in Genesis 4:22 as fabricating every artifact of brass & iron



# TUBAL-CAIN MARINE SERVICES



## Cargo Piping Test Letter

*Note: Test results are valid for (1) year from date of test!*

Date:	<u>8/6/2018</u>	M.A.W.P.	<u>125 PSI</u>
Vessel:	<u>E2MS 302</u>	Method of Test:	<u>Hydro</u>
Owner:	<u>E Squared Marine</u>	Testing Location:	<u>Tubal-Cain Marine Services Inc.</u>
Address:	<u>1102 S friendswood Dr</u> <u>Friendswood , Tx 77546</u>	Physical Address:	<u>8700 Old Yacht Club Rd</u> <u>Port Arthur, TX 77642</u>

### TRANSFER SYSTEM TESTING DATA

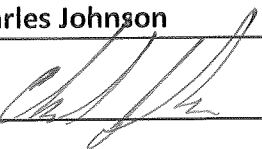
*\*\*\* Fill out completely. Write N/A on any non-applicable line. \*\*\**

Date:	Barge Piping:	Results	Note:
<u>8/6/2018</u>	<u>Cargo piping &amp; valves</u>	<u>188.5</u> p.s.i	
<u>8/6/2018</u>	<u>Cargo pressure gauges</u>	<u>98</u> % accurate	
<u>N/A</u>	<u>Stripping System</u>	<u>125</u> p.s.i	

*Note: Test each pressure gauges annually, accurate within 10 percent. Test each remote controlled operating or indicating equipment such as remotely operated valve, tank alarm, or emergency shutdown device. 33 CFR 156.170(c)(2) & 46 CFR 35.35-70(b)*

### SIGNATURES

*I credit that the tests contained herein were conducted in compliance with 33 CFR 156.170, 46 CFR 35.35-70.*

Tester name: <u>Charles Johnson</u>
Tester signature: 

Tu'bal Cain (tu'bal-kan):

Tubal, the smith, the son of Lemech and his wife Zillah, who is described in Genesis 4:22 as fabricating every artifact of brass & iron