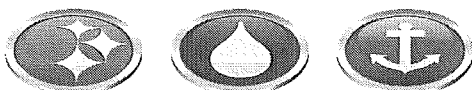


TUBAL-CAIN MARINE SERVICES



Cargo Piping Test Letter

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

| | | | |
|----------|---|-------------------|---|
| Date: | <u>7/24/2018</u> | M.A.W.P. | <u>125 PSI</u> |
| Vessel: | <u>E2MS 303</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

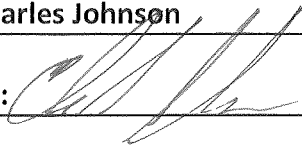
**** Fill out completely. Write N/A on any non-applicable line. ****

| <u>Date:</u> | <u>Barge Piping:</u> | <u>Results</u> | <u>Note:</u> |
|-----------------|----------------------------------|----------------------|--------------|
| <u>7/2/2018</u> | <u>Cargo piping & valves</u> | <u>188.5 p.s.i</u> | |
| <u>7/2/2018</u> | <u>Cargo pressure gauges</u> | <u>98 % accurate</u> | |
| <u>7/2/2018</u> | <u>Stripping System</u> | <u>125 p.s.i</u> | |

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)

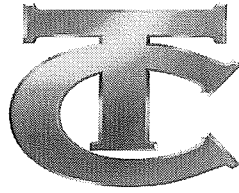
SIGNATURES

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

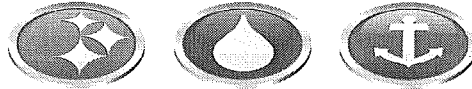
| |
|---|
| Tester name: <u>Charles Johnson</u> |
| Tester signature:  |

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

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



**TUBAL-CAIN
MARINE
SERVICES**



Vapor Tightness Test

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

| | |
|--|---|
| Date: <u>7/24/2018</u> | Official Number: <u>1248274</u> |
| Vessel: <u>E2MS 303</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 Friendswood , Tx 77546</u> | Physical Address: <u>8700 Old Yacht Club Rd Port Arthur, TX 77642</u> |

TEST RESULTS

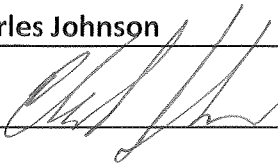
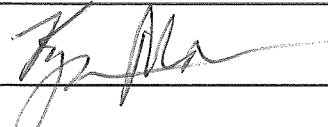
**** Barge is vapor tight if "Total Pressure Loss" is LESS than "Allowable Pressure Loss" ****

| | |
|--|-----------------------------------|
| Test cargo tanks and related vapor system to <u>1 lb.</u> | |
| 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