TUBAL-CAIN MARINE SERVICES

Cargo Piping Test Letter

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

Date:	3/23/2019	M.A.W.P.	125 PSI
Vessel:	SMS 214	Method of Test:	Hydro
Owner:	Savage Inland Marine	Testing Location:	Tubal-Cain Marine Services Inc.
Address:	901 W Legacy Center Way	Physical Address:	7951 Dock Board Rd
	Midvale, UT 84047		Sulphur, LA 70665

TRANSFER SYSTEM TESTING DATA

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

Date:	Barge Piping:	Results		Note:
3/23/2019	Cargo piping & valves	188.5	p.s.i	
3/23/2019	Cargo pressure gauges	98	% accurate	
n/a	Steam piping & valves	125	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: Ashton Joseph

Tester signature: Ashton Joseph

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:	**3/23/2019**	**Official Number:**	**1074635**
Vessel:	**SMS 214**	**Pressure Indicator:**	**Manometer Method: 1 psi nitrogen**
Owner:	**Savage Inland Marine**	**Testing Location:**	**Tubal-Cain Marine Services Inc.**
Address:	**901 W Legacy Center Way**	**Physical Address:**	**7951 Dock Board Rd**
	Midvale, UT 84047		**Sulphur, LA 70665**

TEST RESULTS

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

Test cargo tanks and related vapor system to 1 lb.

Beginning pressure:	28	inches H20	**Time started:**	1:30 PM
Ending pressure:	27.75	inches H20	**Time completed:**	3:30 PM
Total pressure loss:	0.25	inches H20	**Allowable pressure loss:**	1

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:Ashton Joseph

Tester signature: Ashton Joseph

Witnessing inspector name: Catlin Chretien

Witnessing inspector signature: Catlin Chretien

Witnessing inspector affiliation: TCMS Formen

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