

**DOCUMENT TYPE:** Controlled Form List

TITLE: Piping Test Report

Document No.: QAF-902-296

Revision #: 00

Revision Date: 4/5/2017

Revised By: Howard Abell

Approved By: Howard Abell

## PIPING TEST REPORT

Customer / Contract	E Squared Marine S	Service	/ 96274	
Vessel Name Ex	2MS 307			
Hull Number 52	270			
Official Number 12	277192			
KEEL Date / COI Year 4/14/2017			<i>I</i> 2017	r.
_	TE	STING INFO		
System	Method of Test	PSI or OK	Date	Witness By
Cargo Pipe	Hydro	200 PSI	5/18/2017	USCG
Pump Well		20PSI	5/18/2017	USCG
Fuel Oil Piping	Air	90PSI	5/18/2017	USCG
Hot Oil Piping				
Steam Piping	(0.7			
Air Piping	Air	200 PSI	5/18/2017	USCG
Stripping Piping	The state of the s	200 PSI	5/18/2017	USCG
,				
Cargo Piping Relief Valve	Hydro	125 PSI	3/30/2017	USCG
Vapor Piping Relief Valve	Air	1.5 PSI	5/10/2017	GB
Steam Piping Relef Valve				
Air Piping Relief Valve	Hydro	125 PSI	5/10/2017	GB
_				
Fuel Tank	Hydro	11'-6"	4/13/2017	USCG
Slop Tank	Hydro	11'-6"	4/21/2017	USCG
_				
Cargo Pressure Gauge	Air	<u>OK</u>	6/5/2017	
Vapor Pressure Gauge	Air	<u>ok</u>	6/5/2017	TT .
Air Pressure Gauge				
Hydraulic Pressure Gauge				
		01/	0/40/0047	USCG
Emergency Shutdown	Operational	_ <u>OK</u>	6/12/2017 6/6/2017	T T
Pump Operational Test	Hydro	OK	6/6/2017	
Heater Operational Test	I bodos		5/18/2017	USCG
Stripping Operational Test	Hydro	OK	5/10/2017	
Hydraulic Operational Test				
a system is not applicable, leave that	t line blank			
	Initial Prir	nt	Sign	ature •
QA WITNESS T			Mayla To	y
QA WITNESS I		<u> </u>	· Comment	500
QA WITNESS 🤱	Rickey	(alpourst	KIL	XX 6/12/1

Cargo piping and test report Reference 33cfr 156.170.



## TRINITY INDUSTRIES, INC. BUSINESS UNIT # 296

DOCUMENT TYPE: Controlled Form List

TITLE: Vapor Tightness Test Report

Document No.: QAF-904-296

Revision #: 00

Revision Date: 4/5/2017

Revised By: Howard Abell

Approved By: Howard Abell

<b>VAPOR</b>	TIGHT	<b>NESS</b>	<b>TEST</b>	REPORT
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		VAPOR 11G	ININESS IESI	REPORT				
Note:	Test Results are V	alid for (1) One	Year from Date	e of Test!				
Vessel Nar	me:	E2MS 307		Test Date	6/12/2017			
Testing Locati		Ashland City, TN #296		Maximum Load Rate: (BPH)				
Tanks Test	red: A	All Cargo Tanks		Pressure Indicator				
		T	EST RESULTS					
Test Dura	ation: 30 Minutes	Beginning Pr	ressure	43"	Inches H20			
		Ending Press	sure _	43"	Inches H20			
		Total Pressu	re Loss	Ø	Inches H20			
		Allowable Pr	ressure Loss	3.1108	Inches H20			
Barge is Vapor Tight if "Total Pressure Loss" is LESS than "Allowable Pressure Loss"								
(Delta P) - To (TP) - 14 (V) - Vo	ginning Pressure tal Pressure Loss .7 <u>plus</u> Barge Test Pressu Jumn of Tank (s) A @ (P1)	re in PSI	(P2) (Delta PM) (L) (Delta T)	<ul> <li>Ending Pressure</li> <li>Allowable Pressure Loss</li> <li>Maximum Load Rate in BP</li> <li>★ Test Duration</li> </ul>	н .			
.861 x 1	6.2 <u>x</u>	<u>6500</u>	/	29144.68	) = 3.1108			
(	TP)	(L)	(	V)	(Delta PM)			

This vessel has been tested in accordance with Section 61.304F and has been found to be vapor tight.

Signature of Trinity Marine Tester

PRINT Name of Trinity Marine Tester

DATE

Signature of Trinity Marine Witness

PRINT Name of Trinity Marine Witness

PRINT Name of Trinity Marine Witness