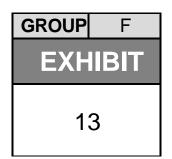


NATIONAL TRANSPORTATION SAFETY BOARD Investigative Hearing

Norfolk Southern Railway general merchandise freight train 32N derailment with subsequent hazardous material release and fires, in East Palestine, Ohio, on February 3, 2023



Agency / Organization

GATX Corporation

Title

Letter from GATX to NTSB and Excerpts of GATX Maintenance Records for GATX95098, Certificate of Tests, March 2, 2023.







March 2, 2023

Subject: NTSB Investigation RRD23MR005

02-03-23 East Palestine, Ohio, Derailment GATX095098 BRC Repair History 2012-2022

The attached GATX BRC maintenance records for GATX095098 ("the car") indicate:

1. The subject GATX tank car was last qualified at the end of 2021. The BRC information was reviewed for 2012-2022. Normal running repairs were noted. The valves were tested and requalified as well during a 2014 shopping event at GATX- Hearne, TX repair center. The 2021 qualification work was performed at our GATX – Waycross, GA repair center and is depicted as completed in the BRC on 1-7-2022.

See attached documents:

- a. BRC_Incident Management Repair Report GATX095098 2012-2022.pdf
- b. BRC_Incident Management Repair Report GATX095098 2014-2016 Oracle.pdf
- 2. Valve qualification documents from 2014. See attached document:
 - a. GATX095098_HM201_04-01-14.pdf
- 3. There may, of course, have been other maintenance done to this car for which we have no records.



Certificate of Test Form

Form 0875-0007-000 H

AAR Manual of Standards and Recommended Practices

Facility:	AllT
Pr. Date:	4/3/14

Car Number: GATA 75028 Stencil Class: Dot 10553000

Commodity:

				EXHIBIT D-4		
ST	sv	TT	СТ	CERTIFICATE OF TEST FORM		Compartment #
	Х	-		1. Reporting Marks and Car Number	GATA 95	ea
	Х			2. Tank Specification	0571053	7-4
	Х	X	Х	3. Stenciled Specification	001/053	Srow
		X		4. Tank Capacity in Gallons (liters) or pounds (kgs) of water	25,740	7/1/
		Х		5. Tank Test Pressure, psi (kPa)*		/4/>
			Х	6. Interior Heater System Test Pressure, psi (kPa)*		
				7. Pressure Relief Valve (PRV)	No. 1	No. 2
Х	Х			a. Name and Location of Company Performing Test of PRV	Medland	110.2
Х	Х			b. Name and Location of Company Applying PRV	GAUT HERME	
Х	Х			c. Manufacturer and Model/Type Number	A-34247	
Х	Х			GATX Stock Number	255-530	
X	Х			d. Serial Number	JG42-RA	
Х	Χ			e. Start-To-Discharge Pressure, psi (kPa)**	251	
Х	Х			f. Vapor-Tight Pressure, psi (kPa)**	245	
X	X			g. Valve Seals Replaced (Y/N) (only those exposed to product)	T V	
Х	Х			h. New Seal Material	Uiton A	
				8. Combination Device		
X				a. Rupture Disc Pressure, psi (kPa)		
X	Х			b. Breaking Pin Lower Diaphragm Tight at psi (kPa)	NIB	
		X		9. Rupture Disc Device		
4		Х		a. Number of Rupture Disc Devices		
		X		b. Rupture Disc Pressure, psi (kPa)	ş	
	Х	X		10. Excess Flow Valve Seat Tightness Checked (Y/N)	Y	
			Х	11. Test Date (Date Stenciled on Car)	2014	
\perp			Х	12. Tank Built/Conversion Date	4-1-1997	
_	Х	X	Х	13. Test Due Stencil	2.34	
		<u> </u>	_	a. Tank (Date Stenciled on Car)		<u> </u>
	X		_	b. Pressure Relief Valve (Date Stenciled on Car)	-2824	
_			X	c. Interior Heater System (Date Stenciled on Car)		
x	х	х	Х	 Name and Location of Company Performing Tank and/or Heater System Test 	GATA Rai	1

* Tester	with hydrostatic pressure shown	for the required time period	, without leaks or	evidence of distress.
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*	Valve has been set to start-to-discharge and is vapor-tight at pressure shown.	For	combination devices, the
	start-to-discharge and vapor-tight pressures of the valve portion is shown.		Throad Engmar

Initials:

Thread Engmn Chkd per FM-0015-0000-000 Date: 4-3-14 **Bottom Fittings Gauged** Passed Replace Signed_

I HEREBY CERTIFY THAT TESTS PERFORMED TO TANK CAR TANKS, PRESSURE RELIEF VALVE AND/OR HEATER SYSTEMS WERE DONE IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORTATION REGULATIONS AND THE AAR SPECIFICATIONS FOR TANK CARS AND REPORTED CORRECTLY.

ST	sv	π	СТ
	-		
 · .			

SIGNATURE:

ST = Safety valve test SV = Safety valve application TT = Tank test CT = Coil Test RB = Rebuild

			42.2				
	Leak Test	Report			QF	803	F
Facility:	GAHT Cai	Number: GA	X95098	Stencil Cl	ass:	DOT 105J	300-W
Printed Date: 2	2/19/2014			Custon	ner: AFTON	N CHEMICAL C	ORPORA R
GAGE INFORMATION (This	s information is not nee	eded for heater coil to	esting)				######################################
Thermometer Type	e: Analog /	IR		Range: d	5- 52 0		
Thermometer S/N	1: 269004		Calibration (Due Date:	1-9-20	14	
Surface Temperature	73	F °C (circle units)					
Pressure Gage S/N:	Gage 1 LA 156	Gage 2					
Calibration Due Date:	3-6-2014	n/a n/a		Took Day			
Gage Range:	0-100	N/A		Test Pressu	re Usea: re Unit:	50 697	/ ones
	0 100			riessu	re onit:	PSI ,	KPA
Leak Test Solution Temperature Big Blue 35° Sherlock 32° Sherlock 32°	to 177° F to 160° F le ~30° to 202° F		Gas Medium I	Used (Circle One)	:		
Check One: Sherlock Low	Temp ~10° to 160° F	Air) /	Nitrogen	/ Other			
	Procedure Used (circle						
EXAMINATION REPORT		NDT - LT / FM-1058-	0000-000 / FM-:	1058-0003-000	Jse Currei	nt Rev.	
Components Tested (Circle On	e): HP Car Fittin	ngs GS Car Fitting	s / Heater Co	oils / Tank Trai	n / Othe	er:	William
Comments: AIR TE	ST FOR LEAKS	÷ .					
						<u> </u>	-
ALL:	2"ANGLE VALL	TES LEAK					
$a_i^{i_{i_i}}$							
	Test Results	(Circle One): P	ass or	Fail			
Technician: Ector Map	TINEZ Signature:		Date:	02/20/2014	NDT Le	vel:	
(Print Nam	e)		,			I	

Leak	Test Report	QF 803 F
Facility: GAHT Printed Date: 2/19/2014	Car Number: GATX95098	Stencil Class: DOT 105J300-W Customer: AFTON CHEMICAL CORPORA ARX
GAGE INFORMATION (This information	is not needed for heater coil testing)	
Thermometer Type: Analogous Thermometer S/N: 26748 Surface Temperature: 78		Range: 0-250 1 Due Date: 9-9-14
Pressure Gage S/N: \overrightarrow{LA} 193 Calibration Due Date: $\cancel{6}-5-14$ Gage Range: $\cancel{0}-100$	- - ([ñ	Test Pressure Used: 50 Pressure Unit: PS / KPA
Leak Test Solution Temperature Check One: Big Blue 35° to 177° F Sherlock 32° to 160° F Super Big Blue -30° to 202° Sherlock Low Temp -10° to	o F	n Used (Circle One): / Other
Procedure EXAMINATION REPORT	Used (circle one): NDT - LT / FM-1058-0000-000 / FN	И-1058-0003-000 Use Current Rev.
Components Tested (Circle One): Comments:	Tested Unit of al	
	st Results (Circle One): Pass or Signature: Date	

		Leak	Test Repor	t	QF	803	F
Fac Printed D	ility: Date:	GAHT 2/19/2014	Car Number:	GATX95098	Stencil Class: Customer: AFTO	DOT 105J3	
GAGE INFORM	MATION (This information i	s not needed for heate	er coil testing)			
The	mometer 1 rmometer e Tempera	s/N: 26748			Range: $O - 2 $ E Due Date: $G - 9 - 1$		
Calibration	Due Date:	6-5-15 0-100		Gage 2	Test Pressure Used: Pressure Unit:	\sim 1	O KPA
Leak Test Solution Temperature Check One:	Sherlock		60° F	Gas Medium	n Used (Circle One):		
EXAMINATIO	N REPOR		sed (circle one): NDT - LT),	-M-1058-0000-000	√-1058-0003-000 Use Curr	rent Rev.	
Components Te Comments:			Car Fittings / GS Co		Coils / Tank Train / Ot	her:	
Technician:	(Print		t Results (Circle One		[] >. ///	Level:	