

21RV133

4783-SS1



790 Avenue Montriehard
Saint-Jean-sur-Richelieu
Canada J2X 5G4
Transport Canada Reg. # 25-264

CERTIFICATE OF COMPLIANCE

THIS CERTIFIES THAT THE NEW TREM CAR INC TANK, FITTINGS, VALVES, PIPING AND PROTECTIVE DEVICES DESCRIBED BELOW WAS DESIGNED, CONSTRUCTED, TESTED, AND COMPLETED IN ACCORDANCE WITH THE APPLICABLE CARGO TANK SPECIFICATION

VEHICLE TY1 _____ TRAILER _____ MANUFACTURER: _____ TREM CAR INC. _____ TCRN: N/A
ASSEMBLER: _____ MDIN: 13017
(IF NOT SAME AS MANUFACTURER) _____ VIN: 2TL5L4324KH000402
TANK SERIAL NUMBER: 18877

DESIGN ENGINEER
TANK INSPECTOR

NAME AND ADDRESS (IF NOT SAME AS ABOVE)

RESPONSIBLE OFFICIAL OF TREM CAR INC.

CARGO TANK COMPLIES WITH SECIFICATION:

TC 407

VENTS INTALLED: _____ RATING _____ DATE OF MFR: 2018-06
1. BETTS RVC3ST-25. 409559 SCFH (90%) _____ DATE OF CERT.: 2018-06
2. _____
3. _____

ITEMS NOT INSTALLED AT TIME OF SHIPMENT: _____

ORIG. TEST DATE	2018-06	
MAX. PAYLOAD	27443	KG
MAX LOAD RATE	1893	L/MIN @ <input type="text" value="172.3"/> Kpa
MAX. UNLOAD RATE	1893	L/MIN @ <input type="text" value="172.3"/> Kpa
HEATING SYS. PRESS.	516.8	Kpa <input type="text" value="121.1"/> °C
MAWP	172.3	Kpa TEST P <input type="text" value="310.1"/> Kpa
DESIGN TEMP. RANGE	-29	°C TO <input type="text" value="121"/> °C
WELD MATL.	ER316L	HEAD MATL. <input type="text" value="SA240-316/316L"/>
SHELL MATL.	SA240-316/316L	LINING <input type="text" value="N/A"/>
MIN. SHELL THICK.	TOP <input type="text" value="2.921"/> MM	BOTTOM <input type="text" value="2.921"/> MM
MFD. SHELL THICK.	TOP <input type="text" value="3.277"/> MM	BOTTOM <input type="text" value="3.277"/> MM
MIN HEAD THICK.	<input type="text" value="2.921"/> MM	MFD HEAD THICK. <input type="text" value="3.556"/> MM
MAX. LADING DENSITY	<input type="text" value="1.92"/> KG/L	VOL. CAP <input type="text" value="26 790 L"/>
EXPOSED SURFACE AREA	<input type="text" value="67.07"/> SQ M	

TANKER TEST AND INSPECTION REPORT

Information as required by CSA B-620-14

INSPECTION TEST DATE 2018-06		SERIAL NUMBER 18872										
CARRIER (if other than owner)												
PRINCIPAL PLACE OF BUSINESS ADDRESS												
CITY, STATE, ZIP CODE												
MFG. DATE 2018-06		ORIG. TEST DATE 2018-06										
VESSEL MATERIAL SPEC. NO. SA240-316/316 L												
TYPE OF TEST (S)												
<input checked="" type="checkbox"/> EXTERNAL VISUAL (V)	<input checked="" type="checkbox"/> PRESSURE RETEST (P)	A	W <input checked="" type="checkbox"/> 45 PSIG / 30 MIN									
<input checked="" type="checkbox"/> INTERNAL VISUAL (I)	<input checked="" type="checkbox"/> LEAKAGE TEST (K)	A	W <input checked="" type="checkbox"/> 25 PSIG / 5 MIN									
<input checked="" type="checkbox"/> THICKNESS TEST (T)	<input checked="" type="checkbox"/> UPPER COUPLER (UC)	MEDIUM	A = AIR									
HYDROSTATIC OR PNEUMATIC PROCEDURE												
ON COMPARTMENTED TRAILER ONLY ONE COMPARTMENT CAN BE												
FILLED WITH LIQUID (FLUID USE FOR TEST: IT'S ONLY WATER) OR												
AIR WHEN PNEUMATIC TEST IS USED (SEE MANUAL FOR PROCEDURE)												
AND TEST AT A TIME ALL ADJACENT COMPARTMENT MUST BE EMPTY												
TEST PRESSURE		KPA										
310.10		310.10										
DESIGNED FOR		CERTIFIED BY										
MAXIMUM ALLOWABLE WORKING PRESSURE		TREM CAR INC.										
172.28 KPA		TREM CAR INC.										
MINIMUM DESIGN METAL TEMPERATURE		WATER CAPACITY (kg)										
-29 TO 121 C TO C		26790										
CHECKLIST OF ITEMS INSPECTED OR TESTED (YES=ACCEPT/NO=REJECT)												
OUTSIDE BARREL ITEMS	P	K	T	STRUCTURE ITEMS	YES	NO	GENERAL ITEMS	YES	NO	INTERNAL BARREL ITEMS	YES	NO
Tank Shell	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Roll over & bumper protection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Distortions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Interior surface, including heads for corrosion	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tank Heads	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Nuts and Bolts	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dents	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	distortion overlay patches, cracking etc.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Head - to - Shell Seam	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Major Aperturances	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Welds	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Areas above upper coupler, landing gear, legs and subframe for indications of distortion or cracks	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Valves	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	connecting structures	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Frangible (Rupture) Disk	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gaskets	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	suspension system attachments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Pressure of heating system	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Interior welds for defects or cracking	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manhole Covers	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Drop upper coupler	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Flues for Heating System	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Size of the weld and theirs conformity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manhole Gaskets	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	In place upper coupler	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Name plate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Internal supports and attachments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Devices for Tightening Manhole	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Corroded or Abraded Areas	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ASME Name plate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Internal valves, piping and vents for leakage, damage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reclosing Pressure Relief Valves	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Tanker insulate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Weld of baffles and pads	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Self-closing Stop-valves	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Lining Material	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Gaskets on Full Opening Rear Head	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Excess Flow Valves	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Corrosive transport	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Internal piping pressure test	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remote Closure Devices	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(CHECK ONE)				NO DEFECT OR DAMAGE DISCOVERED				DEFECT OR DAMAGE DISCOVERED				
EXPLAIN:												
NONE - NEW CARGO TANK												
METHOD OF REPAIRS:												
IS REPAIR CERTIFICATION REQUIRED? YES NO												
DESIGN CERTIFYING ENGINEER REGISTRATION NO. NONE - NEW TANK TRUCK												
TC REGISTRATION NUMBER OF THE TESTING FACILITY/ PERSON				REPAIR INFORMATION				TEST DATE				
TESTED BY: (PERSON'S)				REPAIRED BY:				2018-06				
COMPANY NAME:				ADDRESS:				REPAIR DATE				
790 MONTRICHARD AVE.				ST-JEAN-SUR-RICHIELEU, QC, CANADA, J2X 5G4				TESTED BY: (PERSON'S)				
CITY, STATE, ZIP CODE:				CARGO TANK MEET TC SPECIFICATIONS AND IS RETURN TO SERVICE				REPAIRED BY				
DISPOSITION OF CARGO TANK APPLIED X IN THE APPROPRIATE CASE				CARGO TANK FAIL TC SPECIFICATIONS AND IS OUT OF SERVICE				ADDRESS				
SIGNATURE OF INSPECTOR				TC REGISTRATION NUMBER				CITY, STATE, ZIP CODE				
25-0264				DATE				MARKINGS APPLIED				
2018-06				DATE				YES NO				
2018-06				DATE				<input checked="" type="checkbox"/> <input type="checkbox"/>				

[Handwritten Signature]

CERTIFICATE OF COMPLIANCE

TREMCAR



790, avenue Montrichard
St-Jean-sur-Richelieu, QC
Canada J2X 5G4

CT-5931

ST-JEAN-SUR-RICHELIEU

ST-5930
ST-CÉSaire

BCTE INC.
ISSUED TO OWNER

THIS CERTIFIES THAT THE NEW TREMCAR TANK DESCRIBED BELOW WAS DESIGNED, CONSTRUCTED, TESTED AND COMPLETED IN ACCORDANCE WITH THE APPLICABLE CARGO TANK SPECIFICATION.

VEHICLE TYPE: SEMI TRAILER

YEAR FABRICATED: 2018

CAPACITY: 7077 USG

VIN: 2T1SL43Z4KB000402

DATE SHIPPED: 2018-06

SERIAL NUMBER: 18872

RESPONSIBLE OFFICIAL OF TREMCAR INC.

DESIGN CERTIFICATION ENGINEER

REGISTERED INSPECTOR

CARGO TANK COMPLIES WITH SPECIFICATION

DOT: 407

CERTIFICATION DATE: 2018-06

CARGO TANK COMPLIES WITH SPECIFICATION

DOT:

EXCEPT AS LISTED

CERTIFICATION DATE:

FIRM

AUTHORIZED SIGNATURE(S)

BY:

1.

2.

3.

4.

ABOVE ITEMS INSTALLED:

ITEMS NOT INSTALLED AT TIME OF SHIPMENT:

TANKER TEST AND INSPECTION REPORT

For compliance with 49 CFR 180.407(h)(4), 180.417(b) & (c), and 40 CFR 60.505(b)

TANK IDENTIFICATION NO. **2018-06** INSPECTION TEST DATE **2018-06** REPORT NUMBER **18872**

OWNER CARRIER (if other than owner) **2018-06** **18872**

PRINCIPAL PLACE OF BUSINESS ADDRESS

CITY, STATE, ZIP CODE TELEPHONE

OWNER'S TANK SERIAL NO. **2018-06** VESSEL MATERIAL SPEC. NO.

CARGO TANK MOTOR VEHICLE MFG. **2018-06** MANUFACTURER'S TANK SERIAL NO. **2T1SL4324KB000402**

TREMCAR FLUID CAPACITY (GALS.) **7077 USG** ASME CODE SYMBOL

MAX. WEIGHT OF LADING **N/A** DOT SPECIFICATION NO. **407**

HEATING SYSTEM DESIGN PRESSURE (PSIG) **75** °F **250** ORIGINAL TEST DATE **2018-06** MAXIMUM ALLOWABLE WORKING PRESSURE PSIG **25**

SHELL **SA240-316/316 L** HEAD **SA240-316/316 L** DESIGN TEMPERATURE °F **-20** TO °F **250** WATER CAPACITY IN LBS. **59022**

EXPOSED SURFACE AREA IN SQ. FT. **722** TANK

TYPE OF TEST(S)

- EXTERNAL VISUAL (V)
- INTERNAL VISUAL (I)
- LEAKAGE TEST (K)
- HYDROSTATIC
- PNEUMATIC
- DELIVERY HOSE/PIPING
- PNEUMATIC
- THICKNESS TEST (T)
- K-EPA27

ITEMS INSPECTED OR TESTED			K-EPA27			
YES	NO	ITEM	TEST PRES.	TIME START	MEASURE END	AVERAGE RESULTS
<input checked="" type="checkbox"/>		Tank Shell	1			
<input checked="" type="checkbox"/>		Tank Heads	2			
<input checked="" type="checkbox"/>		Head-to-Shell Seam	3			
<input checked="" type="checkbox"/>		Valves	4			
<input checked="" type="checkbox"/>		Gaskets	5			
<input checked="" type="checkbox"/>		Manhole Covers				
<input checked="" type="checkbox"/>		Manhole Gaskets				
<input checked="" type="checkbox"/>		Devices for Tightening Manhole				
<input checked="" type="checkbox"/>		Gaskets on Full Opening Rear Head				
<input checked="" type="checkbox"/>		Self-closing Stop-valves				
<input checked="" type="checkbox"/>		Excess Flow Valves				
<input checked="" type="checkbox"/>		Remote Closure Devices				
<input checked="" type="checkbox"/>		Reclosing Pressure Relief Valves				
<input checked="" type="checkbox"/>		Nuts and Bolts				
DELIVERY HOSE/PIPING						
HOSE I.D. NO. N/A DATE OF ORIG. HOSE ASSEMBLY TEST						
CONDITION OF HOSE ASSEMBLY & PIPING SYSTEM						
PRESSURE RELIEF DEVICES			Device Number: 1, 2, 3, 4, 5 Tested: [] Removed: [] Inspected: [] Replaced: [] Reinstalled: [] Repaired: [] Pressure - set to discharge: 25 Pressure - when open: 30 Pressure - when reseated: 27			
THICKNESS (INCHES)			HEAD: 0.115 SHELL TOP: 0.115 SHELL SIDE: 0.115 SHELL BOTTOM: 0.115			
MATERIAL			LINED: <input type="checkbox"/> INSULATED: <input checked="" type="checkbox"/> SPECIAL SERVICE: <input type="checkbox"/> MATERIAL CORROSIVE TO TANK: <input type="checkbox"/> DEDICATED SERVICE: <input type="checkbox"/> OTHER: <input type="checkbox"/>			
ITEMS INSPECTED OR TESTED			UPPER COUPLER ASSEMBLY <input checked="" type="checkbox"/> EXAMINED IN PLACE NEW <input type="checkbox"/> REMOVED FOR EXAMINATION			
LEAKAGE TEST			FLUID USED: WATER PRESSURE: 25 HOLDING TIME: 5 min PRESSURE TEST: WATER PRESSURE TEST: 45 HOLDING TIME: 10 min			

(CHECK ONE) NO DEFECT OR DAMAGE DISCOVERED DEFECTS OR DAMAGE DISCOVERED

LOCATION OF DEFECTS OR DAMAGE: weld heat-affected zone liquid phase vapor phase head-to-shell seam delivery hose/pipeing appurtenances

Explain: **NONE - NEW CARGO TANK**

NATURE AND SEVERITY:

METHOD OF REPAIRS: IS REPAIR CERTIFICATION REQUIRED? YES NO DESIGN CERTIFYING ENGINEER REGISTRATION NO. _____

THIS UNIT HAS HAULED ANHYDROUS AMMONIA ANY OTHER MATERIAL THAT MAY CAUSE STRESS CORROSION CRACKING

DOT REGISTRATION NUMBER OF THE TESTING FACILITY/PERSON **CT-5931** TEST DATE **2018-06** STRESS RELIEVED AFTER REPAIR YES NO

TESTED BY (Person's Name) **GARY BRAY** REPAIRED BY _____

ADDRESS _____

RECORD OF ANNUAL INSPECTION

(49 CFR, 396. 17-23)

Prepare Separate Report for Each Vehicle Inspected

DATE
2018-06

D4256014

COMPANY NAME	VEHICLE TYPE <input type="checkbox"/> TRUCK <input type="checkbox"/> TRACTOR <input checked="" type="checkbox"/> TRAILER <input type="checkbox"/> CONVERTER <input type="checkbox"/> DOLLY	
STREET ADDRESS	VEHICLE MAKE TREMCAR	MODEL TRA/REM
CITY	STATE	ZIP
INSPECTOR'S NAME (Please Print)	VEHICLE IDENTIFICATION (Company No., State Tag No. or VIN) 2TLSL4324KB000402	
	EMPLOYEE NO.	

REPORT OF CONDITION (For Detailed Information on Inspection Procedures see FMCSR Section 396, Appendix G)

	OK	REPAIR	EXHAUST	OK	REPAIR	STEERING	OK	REPAIR	FRAME	OK	REPAIR
BRAKES											
Adjustment	✓		Leaks			Adjustment			Members		
Mechan. Compon.	✓		Placement			Column/Gear			Clearance		
Drum/Rotor	✓		LIGHTING			Axle					
Hose/Tubing	✓		Headlights	✓		Linkage			TIRES		
Lining	✓		Tail/Stop	✓		Power Steering			Tread	✓	
Antilock System	✓		Clearance/Marker	✓		Other			Inflation	✓	
Automatic Adjusters	✓		Identification	✓		FUEL SYSTEM			Damage		
Low Air Warning			Reflectors	✓		Tank(s)			Speed Restrictions		
Trailer Air Supply			Other	✓		Lines			Other		
Compressor			ABS TAPP	✓							
Parking Brakes			CAB/BODY			SUSPENSION			WHEELS/RIM		
Other			Access			Springs			Fasteners	✓	
			Eqpt./Load Secure			Attachments	✓		Disc/Spoke	✓	
COUPLERS			Tie-Downs			Sliders			50 LBS TORQ	✓	
Fifth-Wheel & Mount			Headerboard			AIR	✓		WINDSHIELD		
Pin/Upper Plate			Motorcoach Seats			MIRRORS					
Pintle-Hook/Eye	✓		Other						WINDSHLD. WIP.		
Safety Chain(s)											

REMARKS

Certification: This vehicle has passed all the inspection items for the annual vehicle inspection in accordance with 49 CFR Part 396.

QUALIFIED INSPECTOR'S SIGNATURE _____ DATE 2018-06

APPLY LABEL TO A CLEAN, DRY SURFACE. USE WITH AN OVERLAMINATE (2402) TO IMPROVE DURABILITY UNDER NORMAL WEATHER CONDITIONS.

AN INDELIBLE INK MARKER IS RECOMMENDED FOR USE WHEN FILLING OUT THE LABEL. INDELIBLE INK IS PERMANENT AND WILL NOT WASH OFF, BUT MAY FADE DUE TO EXPOSURE TO ULTRAVIOLET LIGHT OVER TIME. CAREFUL DISCRETION IS ADVISED REGARDING APPLICATION OF LABEL TO AN AREA NOT EXPOSED TO EXCESSIVE ULTRAVIOLET LIGHT AND/OR ELEMENTS AND IT IS RECOMMENDED THAT THE READABILITY OF THE LABEL BE CHECKED PERIODICALLY.

Job#:	Units:	USG	Job#:	Units:	USG
18843@18892			18843@18892		
CHARTE DE CALIBRATION / CALIBRATION CHART			CHARTE DE CALIBRATION / CALIBRATION CHART		
CITERNE COMPARTIMENT / TANK COMPARTMENT: 1			CITERNE COMPARTIMENT / TANK COMPARTMENT: 1		
0	0	0	14	8	14
1	22	30	50	40	50
2	61	73	98	85	98
3	112	126	141	141	156
4	172	188	204	222	222
5	239	257	294	275	294
6	313	333	373	353	373
7	393	435	457	435	457
8	479	501	523	546	546
9	569	592	616	640	640
10	664	688	738	738	738
11	763	788	814	839	839
12	865	892	918	945	945
13	972	999	1026	1054	1054
14	1081	1109	1137	1165	1165
15	1194	1222	1251	1280	1280
16	1309	1338	1368	1397	1397
17	1427	1457	1487	1517	1517
18	1548	1578	1609	1639	1639
19	1670	1701	1732	1763	1763
20	1795	1826	1858	1890	1890
21	1921	1953	1985	2017	2017
22	2050	2082	2114	2147	2147
23	2179	2212	2245	2278	2278
24	2311	2344	2377	2410	2410
25	2443	2476	2510	2543	2543
26	2577	2610	2644	2677	2677
27	2711	2745	2779	2812	2812
28	2846	2880	2914	2948	2948
29	2982	3016	3051	3085	3085
30	3119	3153	3187	3221	3221
31	3255	3290	3324	3359	3359
32	3393	3427	3462	3496	3496
33	3530	3565	3599	3633	3633
34	3668	3702	3736	3771	3771
35	3805	3839	3874	3908	3908
36	3942	3976	4010	4044	4044
37	4079	4113	4147	4181	4181
38	4215	4249	4282	4316	4316
39	4350	4384	4417	4451	4451
40	4485	4518	4552	4585	4585
41	4618	4652	4685	4718	4718
42	4751	4784	4817	4849	4849
43	4882	4915	4947	4980	4980
44	5012	5044	5077	5109	5109
45	5141	5172	5204	5236	5236
46	5267	5299	5330	5361	5361
47	5392	5423	5454	5484	5484
48	5515	5545	5576	5606	5606
49	5636	5665	5695	5725	5725
50	5754	5783	5812	5841	5841
51	5870	5898	5926	5954	5954
52	5982	6010	6038	6065	6065
53	6092	6119	6146	6173	6173

THIS CHART IS NOT INTENDED FOR LEGAL MEASURE
 CETTE TABLE N'EST PAS CONÇUE POUR MESURE LÉGALE