

S1RV131

4781-S1




790 Avenue Montrichard  
 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:	(IF NOT SAME AS MANUFACTURER)	MDIN:	13017
				VIN:	2T1SL4320KB000400
				TANK SERIAL NUMBER:	18870

TANK INSPECTOR  
 NAME AND ADDRESS (IF NOT SAME AS ABOVE)  


DESIGN ENGINEER  


CARGO TANK COMPLIES WITH SPECIFICATION:

TC 407

VENTS INSTALLED:  
 1. BETTS RVC3ST-25.409559 SCFH (90%)  
 2.  
 3.

DATE OF MFR: 2018-05  
 DATE OF CERT.: 2018-05

ITEMS NOT INSTALLED AT TIME OF SHIPMENT: 1.

ORIG. TEST DATE	2018-05				
MAX. PAYLOAD	27443	KG			
MAX. LOAD RATE	1893	L/MIN @	172.3	Kpa	
MAX. UNLOAD RATE	1893	L/MIN @	172.3	Kpa	
HEATING SYS. PRESS.	516.8	Kpa		HEATING SYS. TEMP.	121.1 °C
MAWP	172.3	Kpa	310.1	TEST P	
DESIGN TEMP. RANGE	-29	°C		TO	121 °C
WELD MATL.	ER316L			HEAD MATL.	SA240-316/316L
SHELL MATL.	SA240-316/316L			LINING	N/A
MIN. SHELL THICK.	2.921	MM		BOTTOM	2.921 MM
MFD. SHELL THICK.	3.277	MM		BOTTOM	3.277 MM
MIN HEAD THICK.	2.921	MM		MFD HEAD THICK.	3.556 MM
MAX. LADING DENSITY	1.92	KG/L		VOL. CAP	26 790 L
EXPOSED SURFACE AREA	67.07	SQ M			

# TANKER TEST AND INSPECTION REPORT

Information as required by CSA B-620-14

INSPECTION TEST DATE <b>2018-05</b>		SERIAL NUMBER <b>18870</b>											
OWNER CARRIER (if other than owner)													
PRINCIPAL PLACE OF BUSINESS ADDRESS CITY, STATE, ZIP CODE													
TELEPHONE:													
MFG. DATE <b>2018-05</b>		ORIG. TEST DATE <b>2018-05</b>											
OWNERS SERIAL NO.		TC SPECIFICATION NO. <b>407</b>											
CARRIER'S EQUIPMENT NO.		FLUID CAPACITY ( L ) <b>26790</b>											
VESSEL MATERIAL SPEC. NO. <b>SA240-316/316 L</b>		ASME CODE SYMBOL -----											
<b>TYPE OF TEST ( S )</b>													
<input checked="" type="checkbox"/> EXTERNAL VISUAL (V)	A	W	45										
<input checked="" type="checkbox"/> INTERNAL VISUAL ( I )	A	W	25										
<input checked="" type="checkbox"/> THICKNESS TEST ( T )	MEDIUM		A = AIR										
<b>HYDROSTATIC OR PNEUMATIC PROCEDURE</b>		W = WATER											
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											
<b>310.10</b>		<b>310.10</b>											
<b>CHECKLIST OF ITEMS INSPECTED OR TESTED (YES=ACCEPT/NO=REJECT)</b>													
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 Appurtenances	<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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Piping	<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"/>	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"/>	- 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"/>	
Gaskets	<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 their conformity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Manihole Covers	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	In place upper coupler	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Internal supports and attachments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Devices for Tightening Manihole	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Corroded or Abraded Areas	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	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"/>	ASME Name plate	<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"/>	Tanker Insulate	<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"/>	Lining Material	<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"/>	Corrosive transport	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>( CHECK ONE )</b>													
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													
TESTED BY: (PERSON'S)		REPAIRED BY (PERSON'S)											
COMPANY NAME:		ADDRESS											
ADDRESS:		CITY, STATE, ZIP CODE											
CITY, STATE, ZIP CODE:		REPAIR DATE											
DISPOSITION OF CARGO TANK APPLIED X IN THE APPROPRIATE CASE		CARGO TANK MEET TC SPECIFICATIONS AND IS RETURN TO SERVICE		MARKINGS APPLIED		TEST DATE						REPAIR DATE	
SIGNATURE OF INSPECTOR		DATE		OWNER SIGNATURE		DATE						TEST DATE	
<i>Stéphane Lamonde</i>		<b>25-0264</b>										<b>2018-05</b>	



**TREM CAR**  
790, avenue Monrillard  
St-Jean-sur-Richelieu, QC  
Canada J2X 5G4

CT-5931  
ST-JEAN-SUR-RICHELIEU

CT-5930  
ST-CÉSaire

ISSUED TO OWNER  
**BCTE INC.**

THIS CERTIFIES THAT THE NEW **TREM CAR** 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 : **2T1SL4320KB000400**

DATE SHIPPED : **2018-05**

SERIAL NUMBER : **18870**

RESPONSIBLE OFFICIAL OF TREM CAR INC. 

DESIGN CERTIFICATION ENGINEER 

REGISTERED INSPECTOR 

CARGO TANK COMPLIES WITH SPECIFICATION

DOT : **407**

CERTIFICATION DATE : **2018-05**

CARGO TANK COMPLIES WITH SPECIFICATION

DOT : \_\_\_\_\_

EXCEPT AS LISTED

CERTIFICATION DATE : \_\_\_\_\_

\_\_\_\_\_

BY : \_\_\_\_\_

FIRM \_\_\_\_\_

AUTHORIZED SIGNATURE(S) \_\_\_\_\_

4. \_\_\_\_\_

3. \_\_\_\_\_

2. \_\_\_\_\_

1. \_\_\_\_\_

ITEMS NOT INSTALLED AT TIME OF SHIPMENT : \_\_\_\_\_

ABOVE ITEMS INSTALLED : \_\_\_\_\_

# CERTIFICATE OF COMPLIANCE

# 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.		INSPECTION TEST DATE		REPORT NUMBER	
		2018-05		18870	
OWNER CARRIER (if other than owner)					
PRINCIPAL PLACE OF BUSINESS ADDRESS					
CITY, STATE, ZIP CODE		TELEPHONE		TELEPHONE	
OWNER'S TANK SERIAL NO.		MFG. DATE		VESSEL MATERIAL SPEC. NO.	
		2018-05			
CARGO TANK MOTOR VEHICLE MFG.		CARGO TANK MOTOR VEHICLE CERT. DATE		MANUFACTURER'S TANK SERIAL NO.	
TREM CAR		2018-05		TREM CAR	
MAX. WEIGHT OF LADING		LINING MATERIALS		FLUID CAPACITY (GALS.)	
60500		N/A		7077 USG	
HEATING SYSTEM		DESIGN PRESSURE (PSIG)		MAXIMUM ALLOWABLE WORKING PRESSURE PSIG	
		75		250	
SHELL		MATERIAL		DESIGN TEMPERATURE	
SA240-316/316 L		HEAD		°F	
SA240-316/316 L		MAX. DESIGN DENSITY OF LADING (LBS. PER GAL.)		WATER CAPACITY IN LBS.	
722		16.00		250	

### TYPE OF TEST(S)

- EXTERNAL VISUAL (V)  LEAKAGE TEST (K)  PRESSURE RETEST (P)
- INTERNAL VISUAL (I)  HYDROSTATIC  PNEUMATIC  HYDROSTATIC
- LINING INSPECTION (L)  DELIVERY HOSE/PIPING  PNEUMATIC
- THICKNESS TEST (T)  K-EPA27  PNEUMATIC

ITEMS INSPECTED OR TESTED				K-EPA27				
YES	NO	ITEM	ITEM	TYPE	TEST	MEASURE	AVERAGE RESULTS	
YES	NO	ITEM	ITEM	TYPE	TIME START	END	START	END
<input checked="" type="checkbox"/>		Tank Shell	Frangible (Rupture) Disk					
<input checked="" type="checkbox"/>		Tank Heads	Major Appurtenances					
<input checked="" type="checkbox"/>		Head-to-Shell Seam	- upper coupler assembly					
<input checked="" type="checkbox"/>		Valves	- suspension system attachments					
<input checked="" type="checkbox"/>		Gaskets	- connecting structures					
<input checked="" type="checkbox"/>		Manhole Covers	Lining Material					
<input checked="" type="checkbox"/>		Manhole Gaskets	Pressure Bearing Portions of Heating System					
<input checked="" type="checkbox"/>		Devices for Tightening Manhole	Flues for Heating System					
<input checked="" type="checkbox"/>		Gaskets on Full Opening Rear Head	Corroded or Abraded Areas					
<input checked="" type="checkbox"/>		Self-closing Stop-valves	Distortions					
<input checked="" type="checkbox"/>		Excess Flow Valves	Dents					
<input checked="" type="checkbox"/>		Remote Closure Devices	Welds					
<input checked="" type="checkbox"/>		Reclosing Pressure Relief Valves						
<input checked="" type="checkbox"/>		Nuts and Bolts						
DELIVERY HOSE/PIPING				UPPER COUPLER ASSEMBLY				
HOSE I.D. NO. N/A				DATE OF ORIG. HOSE ASSEMBLY				
CONDITION OF HOSE ASSEMBLY & PIPING SYSTEM				EXAMINED IN PLACE <input checked="" type="checkbox"/> REMOVED FOR EXAMINATION <input type="checkbox"/>				
				LEAKAGE TEST PRESSURE TEST				
				FLUID USED WATER				
				PRESSURE 25				
				HOLDING TIME 5 min				
				PRESSURE TEST WATER				
				45				
				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/piping  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	<input type="checkbox"/> ANHYDROUS AMMONIA <input type="checkbox"/> CERTIFIED AS 0.2% WATER BY WEIGHT <input type="checkbox"/> LIQUEFIED PETROLEUM GAS	STRESS RELIEVED AFTER FABRICATION	REPAIR DATE
		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

**RECORD OF ANNUAL INSPECTION**  
(49 CFR, 396. 17-23)

Prepare Separate Report for Each Vehicle Inspected

DATE  
2018-05

**D3918996**

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 <b>TREMCAR</b>	
CITY		MODEL <b>TRA/REM</b>	
STATE		YEAR <b>2019</b>	
ZIP		VEHICLE IDENTIFICATION (Company No., State Tag No. or VIN) <b>2TLSL4320KB000400</b>	
INSPECTOR'S NAME (Please Print)		EMPLOYEE NO.	

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

	OK	REPAIR	OK	REPAIR	OK	REPAIR	OK	REPAIR
<b>BRAKES</b>		<b>EXHAUST</b>		<b>STEERING</b>		<b>FRAME</b>		<b>REPAIR</b>
Adjustment	✓	Leaks		Adjustment		Members		<b>OK</b>
Mechan. Compon.	✓	Placement		Column/Gear		Clearance		
Drum/Rotor	✓	<b>LIGHTING</b>		Axle		<b>TIRES</b>		
Hose/Tubing	✓	Headlights		Linkage		Tread	✓	
Lining	✓	Tail/Stop	✓	Power Steering		Inflation	✓	
Antilock System	✓	Clearance/Marker	✓	Other		Damage	✓	
Automatic Adjusters	✓	Identification	✓	<b>FUEL SYSTEM</b>		Speed Restrictions		
Low Air Warning		Reflectors	✓	Tank(s)		Other		
Trailer Air Supply		Other <b>TAPE</b>	✓	Lines				
Compressor								
Parking Brakes		<b>CAB/BODY</b>		<b>SUSPENSION</b>		<b>WHEELS/RIM</b>		
Other		Access		Springs		Fasteners	✓	
		Eqpt./Load Secure		Attachments	✓	Disc/Spoke	✓	
<b>COUPLERS</b>		Tie-Downs		Sliders		<b>500 LBS TORQUE</b>	✓	
Fifth-Wheel & Mount		Headerboard		<b>AIR</b>	✓	<b>WINDSHIELD</b>		
Pin/Upper Plate	✓	Motorcoach Seats		<b>MIRRORS</b>		<b>WINDSHLD. WIP.</b>		
Pintle-Hook/Eye		Other						
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 *James Russell* DATE 2018-05

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#: 18843@18892	Units:	USG	Job#: 18843@18892	Units:	USG
CHARTRE DE CALIBRATION / CALIBRATION CHART			CHARTRE DE CALIBRATION / CALIBRATION CHART		
CITERNE COMPARTIMENT / TANK COMPARTMENT: 1			CITERNE COMPARTIMENT / TANK COMPARTMENT: 1		
0	0	14	0	0	14
1	22	30	40	50	50
2	61	73	85	98	98
3	112	126	141	156	156
4	172	188	204	222	222
5	239	257	275	294	294
6	313	333	353	373	373
7	393	414	435	457	457
8	479	501	523	546	546
9	569	592	616	640	640
10	664	738	713	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