

4770-SS1



790 Avenue Monrichard  
 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 TVI \_\_\_\_\_ TRAILER \_\_\_\_\_ MANUFACTURER: \_\_\_\_\_ TREM CAR INC. \_\_\_\_\_ TCRN: N/A  
 ASSEMBLER: \_\_\_\_\_ MDIN: 13017  
 (IF NOT SAME AS MANUFACTURER) VIN: 2TLSL4326KB000241  
 TANK SERIAL NUMBER: 18860

RESPONSIBLE OFFICIAL OF TREM CAR INC. *Jacques Thibault* DESIGN ENGINEER  
 TANK INSPECTOR *Andrew Kambom*  
 NAME AND ADDRESS (IF NOT SAME AS ABOVE)

CARGO TANK COMPLIES WITH SECIFICATION:

TC 407

VENTS INTALLED: RATING \_\_\_\_\_ DATE OF MFR: 2018-04  
 1. BETTS RVC3ST-25\_409559 SCFH (90%) DATE OF CERT: 2018-04  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_

ITEMS NOT INSTALLED AT TIME OF SHIPMENT: 1. \_\_\_\_\_

ORIG. TEST DATE	2018-04				
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	Kpa	
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.	TOP 2.921	MM		BOTTOM	2.921
MFD SHELL THICK	TOP 3.277	MM		BOTTOM	3.277
MIN HEAD THICK.	2.921	MM		MFD HEAD THICK.	3.556
MAX. LADING DENSITY	1.92	KG/L		VOL. CAP	26790 L
EXPOSED SURFACE AREA	67.07	SQ M			

# TANKER TEST AND INSPECTION REPORT

Information as required by CSA B-620-14

INSPECTION TEST DATE: **2018-04** SERIAL NUMBER: **18860**

CARRIER (if other than owner):  
 PRINCIPAL PLACE OF BUSINESS ADDRESS:  
 CITY, STATE, ZIP CODE:  
 TC SPECIFICATION NO.: **407** FLUID CAPACITY (L): **26790**  
 MANUFACTURER'S SERIAL NO.: ASME CODE SYMBOL:  
**2T1SL4326KB000241**

OWNER:  
 PRINCIPAL PLACE OF BUSINESS ADDRESS:  
 CITY, STATE, ZIP CODE:  
 OWNER'S SERIAL NO.:  
 CARRIER'S EQUIPMENT NO.:  
 MFG. DATE: **2018-04** ORIG. TEST DATE: **2018-04**  
 VESSEL MATERIAL SPEC. NO.:  
 TELEPHONE:  
 MEDIUM: **W = WATER**

**TYPE OF TEST (S)**

EXTERNAL VISUAL (V)	A	W	45	PSIG / 10 MIN
INTERNAL VISUAL (I)	A	W	25	PSIG / 5 MIN
THICKNESS TEST (T)				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: **310.10** KPA  
 MAXIMUM ALLOWABLE WORKING PRESSURE: **172.28** KPA  
 MINIMUM DESIGN METAL TEMPERATURE: **-29 TO 121** C TO C

**CHECKLIST OF ITEMS INSPECTED OR TESTED (YES=ACCEPT/NO=REJECT)**

STRUCTURE ITEMS	GENERAL ITEMS		INTERNAL BARREL ITEMS	
	YES	NO	YES	NO
Tank Shell	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tank Heads	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Head - to - Shell Seam	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Piping	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Valves	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gaskets	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manhole Covers	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manhole Gaskets	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Devices for Tightening Manhole	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<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"/>
Self-closing Stop-valves	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<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"/>
Remote Closure Devices	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**DESIGNED FOR**  
 MANUFACTURER: **TREMCCAR INC.**  
 WATER CAPACITY (kg): **26790**

**(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  
 TESTED BY: (PERSON'S)  
 COMPANY NAME: **TREMCCAR INC.**  
 ADDRESS: **790 MONTRICHARD AVE.**  
 CITY, STATE, ZIP CODE: **ST-JEAN-SUR-RICHELIEU, QC, CANADA, J2X 5G4**

DISPOSITION OF CARGO TANK APPLIED X IN THE APPROPRIATE CASE  
 CARGO TANK FAIL TC SPECIFICATIONS AND IS RETURN TO SERVICE  
 CARGO TANK MEET TC SPECIFICATIONS AND IS RETURN TO SERVICE

SIGNATURE OF INSPECTOR: *André-Louis Kambouzi* DATE: **2018-04**  
 TC REGISTRATION NUMBER: **25-0264** OWNER SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

TESTED BY: (PERSON'S)  
 REPAIRED BY  
 ADDRESS  
 CITY, STATE, ZIP CODE

REPAIR INFORMATION

TEST DATE: **2018-04** REPAIR DATE

MARKINGS APPLIED: YES  NO

**TREM CAR**



790, avenue Montriehard  
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**

RESPONSIBLE OFFICIAL OF TREM CAR INC

CARGO TANK COMPLIES WITH SPECIFICATION

DOT :

**407**

CERTIFICATION DATE :

**2018-04**

CARGO TANK COMPLIES WITH SPECIFICATION

DOT :

EXCEPT AS LISTED

CERTIFICATION DATE :

FIRM

AUTHORIZED SIGNATURE(S)

BY :

ABOVE ITEMS INSTALLED :

4

3

2

1

ITEMS NOT INSTALLED AT TIME OF SHIPMENT :

DESIGN CERTIFICATION ENGINEER

REGISTERED INSPECTOR

VIN : **2T1SL43Z6KB000241**

SERIAL NUMBER : **18860**

CAPACITY : **7077 USG**

DATE SHIPPED : **2018-04**

# 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. **2018-04** INSPECTION TEST DATE **2018-04** REPORT NUMBER **18860**

OWNER: CARRIER (if other than owner) \_\_\_\_\_ TELEPHONE \_\_\_\_\_

PRINCIPAL PLACE OF BUSINESS ADDRESS \_\_\_\_\_ CITY, STATE, ZIP CODE \_\_\_\_\_ TELEPHONE \_\_\_\_\_

OWNERS TANK SERIAL NO. \_\_\_\_\_ VESSEL MATERIAL SPEC. NO. \_\_\_\_\_

CARGO TANK MOTOR VEHICLE MFG. **2018-04** CARGO TANK MOTOR VEHICLE CERT. DATE **2018-04**

**TREMCAR** TANK MANUFACTURER **TREMCAR** MANUFACTURER'S TANK SERIAL NO. **2TLSL4326KB000241**

MAX. WEIGHT OF LADING \_\_\_\_\_ LINING MATERIALS **N/A** FLUID CAPACITY (GALS.) **7077 USG** ASME CODE SYMBOL \_\_\_\_\_

LBS. **60500** DESIGN PRESSURE (PSIG) **75** DESIGN TEMPERATURE (°F) **250**

HEATING SYSTEM \_\_\_\_\_ MATERIAL \_\_\_\_\_

SHELL **SA240-316/316 L** HEAD **SA240-316/316 L** MAX. DESIGN DENSITY OF LADING (LBS. PER GAL.) **16.00**

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

## TYPE OF TEST(S)

EXTERNAL VISUAL (V)  LEAKAGE TEST (K)  PRESSURE RETEST (P)

INTERNAL VISUAL (I)  HYDROSTATIC  PNEUMATIC

LINING INSPECTION (L)  DELIVERY HOSE/PIPING  PNEUMATIC

THICKNESS TEST (T)  K-EPA27

## ITEMS INSPECTED OR TESTED

YES	NO	ITEM	YES	NO	ITEM
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Tank Shell	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Frangible (Rupture) Disk
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Tank Heads	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Major Appurtenances
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Head-to-Shell Seam	<input checked="" type="checkbox"/>	<input type="checkbox"/>	- upper coupler assembly
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Valves	<input checked="" type="checkbox"/>	<input type="checkbox"/>	- suspension system attachments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	- connecting structures
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Manhole Covers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lining Material
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Manhole Gaskets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pressure Bearing Portions of Heating System
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Devices for Tightening Manhole	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Flues for Heating System
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Gaskets on Full Opening Rear Head	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Corroded or Abraded Areas
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Self-closing Stop-valves	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Distortions
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Excess Flow Valves	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Dents
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Remote Closure Devices	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Welds
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Reclosing Pressure Relief Valves	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Nuts and Bolts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

DELIVERY HOSE/PIPING

HOSE I.D. NO. **N/A** DATE OF ORIG. HOSE ASSEMBLY \_\_\_\_\_

CONDITION OF HOSE ASSEMBLY & PIPING SYSTEM \_\_\_\_\_

ITEMS INSPECTED OR TESTED

TEST	TIME	START	END	MEASURE	AVERAGE RESULTS
PRES.	1				
PRES.	2				
VAC.	1				
VAC.	2				
VR VENT	1				
VR VENT	2				

UPPER COUPLER ASSEMBLY

EXAMINED IN PLACE **NEW**

REMOVED FOR EXAMINATION

LEAKAGE TEST PRESSURE TEST

FLUID USED **WATER** PRESSURE **25** HOLDING TIME **5 min** **10 min**

MIN. TESTED

HEAD **0.129** MFG. **0.115**

SHELL TOP **0.126** **0.115**

SHELL SIDE **0.126** **0.115**

SHELL BOTTOM **0.126** **0.115**

(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  ANHYDROUS AMMONIA (  CERTIFIED AS 0.2% WATER BY WEIGHT)  ANY OTHER MATERIAL THAT MAY CAUSE STRESS CORROSION CRACKING

HAS HAULED  LIQUEFIED PETROLEUM GAS

STRESS RELIEVED AFTER FABRICATION  YES  NO

DOT REGISTRATION NUMBER OF THE TESTING FACILITY/PERSON **2018-04** TEST DATE **2018-04** ASME OR NATIONAL BOARD NO. OF REPAIR FACILITY \_\_\_\_\_

CT-5931

TESTED BY (Person's Name) **Mourad Kambouli** REPAIRED BY  YES (  Full  Local)  NO

ADDRESS \_\_\_\_\_

## RECORD OF ANNUAL INSPECTION

(49 CFR, 396.17-23)

Prepare Separate Report for Each Vehicle Inspected

DATE

2018-04

D3918909

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>	MODEL <b>TRA/REM</b>
CITY	STATE	ZIP
INSPECTOR'S NAME (Please Print)	VEHICLE IDENTIFICATION (Company No., State Tag No. or VIN) <b>2TLSL4326KB000241</b>	
	EMPLOYEE NO.	

YEAR  
**2019**

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

## 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

*Amorbas*

DATE

*2018-04*

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 USG Units: 18843@18892 USG Units:

CHARTRE COMPARTIMENT / CALIBRATION CHART CHARTRE COMPARTIMENT / CALIBRATION CHART

CITERNE COMPARTIMENT / TANK COMPARTIMENT 1 CITERNE COMPARTIMENT / TANK COMPARTIMENT 1

0	0	3	8	14	54	6251	6277
1	22	30	40	50	55	6327	6377
2	61	73	85	98	56	6450	6473
3	112	126	141	156	57	6520	6565
4	172	188	204	222	58	6610	6653
5	239	257	275	294	59	6694	6735
6	313	333	353	373	60	6774	6811
7	393	414	435	457	61	6847	6881
8	479	501	523	546	62	6913	6944
9	569	592	616	640	63	6972	6998
10	664	688	713	738	64	7022	7042
11	763	788	814	839	65	7051	7072
12	865	892	918	945	66		
13	972	999	1026	1054			
14	1081	1109	1137	1165			
15	1194	1222	1251	1280			
16	1309	1338	1368	1397			
17	1427	1457	1487	1517			
18	1548	1578	1609	1639			
19	1670	1701	1732	1763			
20	1795	1826	1858	1890			
21	1921	1953	1985	2017			
22	2050	2082	2114	2147			
23	2179	2212	2245	2278			
24	2311	2344	2377	2410			
25	2443	2476	2510	2543			
26	2577	2610	2644	2677			
27	2711	2745	2779	2812			
28	2846	2880	2914	2948			
29	2982	3016	3051	3085			
30	3119	3153	3187	3221			
31	3255	3290	3324	3359			
32	3393	3427	3462	3496			
33	3530	3565	3599	3633			
34	3668	3702	3736	3771			
35	3805	3839	3874	3908			
36	3942	3976	4010	4044			
37	4079	4113	4147	4181			
38	4215	4249	4282	4316			
39	4350	4384	4417	4451			
40	4485	4518	4552	4585			
41	4618	4652	4685	4718			
42	4751	4784	4817	4849			
43	4882	4915	4947	4980			
44	5012	5044	5077	5109			
45	5141	5172	5204	5236			
46	5267	5299	5330	5361			
47	5392	5423	5454	5484			
48	5515	5545	5576	5606			
49	5636	5665	5695	5725			
50	5754	5783	5812	5841			
51	5870	5898	5926	5954			
52	5982	6010	6038	6065			
53	6092	6119	6146	6173			

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