TANKER TEST AND INSPECTION REPORT
Information as required by CSA B-620-14

INSPECTION TEST DATE		SERIAL NUMBER
2018-05		18865

OWNER		CARRIER (if other than owner)
PRINCIPAL PLACE OF BUSINESS ADDRESS	TELEPHONE:	PRINCIPAL PLACE OF BUSINESS ADDRESS
CITY, STATE, ZIP CODE		CITY, STATE, ZIP CODE

OWNER'S SERIAL NO.	MFG. DATE		ORIG.TEST DATE	TC SPECIFICATION NO.	FLUID CAPACITY (L)
	2018-05		2018-05	407	26790
CARRIER'S EQUIPMENT NO.	VESSEL MATERIAL SPEC.NO			MANUFACTURER'S SERIAL NO.	ASME CODE SYMBOL
	SA240-316/316 L			2TLSL4320KB000395	-----------------

TYPE OF TEST (S)

✓	EXTERNAL VISUAL (V)	✓	PRESSURE RETEST (P)	A		W	✓	45	PSIG / 10 MIN
✓	INTERNAL VISUAL (I)	✓	LEAKAGE TEST (K)	A		W	✓	25	PSIG / 5 MIN
✓	THICKNESS TEST (T)	✓	UPPER COUPLER (UC)	MEDIUM			A = AIR		

HYDROSTATIC OR PNEUMATIC PROCEDURE
MEDIUM   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
	310.10

CERTIFIED BY

MANUFACTURER	TREMCAR INC.
WATER CAPACITY (Kg)	26790

DESIGNED FOR

MAXIMUM ALLOWABLE	172.28	MINIMUM DESIGN	-29 TO 121
WORKING PRESSURE	KPA	METAL TEMPERATURE	C TO C

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	✓	✓	✓	Roll over & Bumper protection	✓		Distortions	✓		Interior surface, including heads for corrosion	✓	
Tank Heads	✓	✓	✓	Nuts and Bolts	✓		Dents	✓		distortion overlay patches, cracking etc.	✓	
Head - to - Shell Seam	✓	✓	✓				Welds	✓		Areas above upper coupler, landing gear legs and	✓	
Piping		✓		Major Appurtenances	✓		Frangible (Rupture) Disk		X	subframe for indications of distortion or cracks	✓	
Valves		✓		- connecting structures	✓		Pressure of heating system	✓		Interior welds for defects or cracking	✓	
Gaskets		✓		- suspension system attachments	✓		Flues for Heating System		✓	Size of the weld and theirs conformity	✓	
Manhole Covers	✓	✓		Drop upper coupler	✓					Internal supports and attachments		✓
Manhole Gaskets	✓	✓		In place upper coupler	✓		Name plate	✓		Internal valves, piping and vents for leakage, damage	✓	
Devices for Tightening Manhole	✓	✓		Corroded or Abraded Areas	✓		ASME Name plate		✓	Weld of baffles and pads		✓
Reclosing Pressure Relief Valves		✓					Tanker insulate	✓		Gaskets on Full Opening Rear Head		✓
Self-closing Stop-valves		✓					Lining Material		X	Internal piping pressure test		✓
Excess Flow Valves		✓					Corrosive tranport	✓				
Remote Closure Devices		✓										

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

EXPLAIN:

NONE - NEW CARGO TANK

IS REPAIR CERTIFICATION REQUIRED?	YES		NO		DESIGN CERTIFYING ENGINEER REGISTRATION NO.	NONE - NEW TANK TRUCK

METHOD OF REPAIRS:

	TEST DATE
	2018-05
	REPAIR DATE

TC REGISTRATION NUMBER OF THE TESTING FACILITY/ PERSON	REPAIR INFORMATIONS	
TESTED BY: (PERSON'S)	*Rousselle Lionel*	TESTED BY: (PERSON'S)	
COMPANY NAME: TREMCAR INC.	REPAIRED BY	
ADDRESS: 790 MONTRICHARD AVE.	ADDRESS	
CITY, STATE, ZIP CODE: ST-JEAN-SUR-RICHELIEU, QC, CANADA, J2X 5G4	CITY, STATE, ZIP CODE	

DISPOSITION OF CARGO TANK APPLIED X IN THE APPRORIATE CASE	CARGO TANK FAIL TC SPECIFICATIONS AND IS OUT OF SERVICE	CARGO TANK MEET TC SPECIFICATIONS AND IS RETURN TO SERVICE	✓	MARKINGS APPLIED	YES	NO
					✓	

SIGNATURE OF INSPECTOR	TC REGISTRATION NUMBER	DATE	OWNER SIGNATURE	DATE
Lionel Rousselle	25-0264	2018-05		

CERTIFICATE OF COMPLIANCE

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

[X] CT-5931
ST-JEAN-SUR-RICHELIEU

[ ] CT-5930
ST-CÉSAIRE

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

BCTE INC.

ISSUED TO OWNER

VEHICLE TYPE : **SEMI TRAILER**   CAPACITY : **7077 USG**   DATE SHIPPED : **2018-05**

YEAR FABRICATED : **2018**   VIN : **2TLSL4320KB000395**   SERIAL NUMBER : **18865**

(signature)
RESPONSIBLE OFFICIAL OF TREMCAR INC.

(signature)
DESIGN CERTIFICATION ENGINEER

(signature)
REGISTERED INSPECTOR

CARGO TANK COMPLIES WITH SPECIFICATION

[X] DOT : **407**

CERTIFICATION DATE : **2018-05**

CARGO TANK COMPLIES WITH SPECIFICATION

[ ] DOT : _____

EXCEPT AS LISTED

CERTIFICATION DATE : _____

ITEMS NOT INSTALLED AT TIME OF SHIPMENT :

1. _____

2. _____

3. _____

4. _____

ABOVE ITEMS INSTALLED :

BY : _____

FIRM : _____

AUTHORIZED SIGNATURE(S)

OWNER		CARRIER (if other than owner)	
PRINCIPAL PLACE OF BUSINESS ADDRESS		PRINCIPAL PLACE OF BUSINESS ADDRESS	
CITY, STATE, ZIP CODE	TELEPHONE	CITY, STATE, ZIP CODE	TELEPHONE

OWNER'S TANK SERIAL NO.	MFG. DATE **2018-05**	CARRIER'S EQUIPMENT NO.	VESSEL MATERIAL SPEC. NO.

CARGO TANK MOTOR VEHICLE MFG. **TREMCAR**	CARGO TANK MOTOR VEHICLE CERT. DATE **2018-05**	TANK MANUFACTURER **TREMCAR**	MANUFACTURER'S TANK SERIAL NO. **2TLSL4320KB000395**

MAX. WEIGHT OF LADING LBS. **60500**	LINING MATERIALS **N/A**	DOT SPECIFICATION NO. **407**	FLUID CAPACITY (GALS.) **7077 USG**	ASME CODE SYMBOL --------------

HEATING SYSTEM	DESIGN PRESSURE (PSIG) **75**	DESIGN TEMPERATURE °F **250**	ORIGINAL TEST DATE **2018-05**	MAXIMUM ALLOWABLE WORKING PRESSURE PSIG **25**

MATERIAL 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**	MAX. DESIGN DENSITY OF LADING (LBS. PER GAL.) **16.00**	TANK

TANK:
☐ LINED ☒ INSULATED
☐ SPECIAL SERVICE
☐ MATERIAL CORROSIVE TO TANK ___
☐ DEDICATED SERVICE ___
☐ OTHER ___

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

ITEMS INSPECTED OR TESTED

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

PRESSURE RELIEF DEVICES

BETTS #RVC35T-25

TYPE					
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				

K-EPA27
Gasoline Delivery Tank Pressure Test – EPA Reference Method 27

TEST	TIME START	TIME END	MEASURE START	MEASURE END	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~~ **WATER**	~~WATER~~ **WATER**
PRESSURE	25	45
HOLDING TIME	5 min	10 min

DELIVERY HOSE/PIPING
HOSE I.D. NO. **N/A** DATE OF ORIG. HOSE ASSEMBLY TEST ___
CONDITION OF HOSE ASSEMBLY & PIPING SYSTEM ___

THICKNESS (INCHES)

	MFG.	MIN. TESTED
HEAD	0.126	0.115
SHELL TOP	0.131	0.115
SHELL SIDE	0.131	0.115
SHELL BOTTOM	0.131	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 HAS HAULED	☐ ANHYDROUS AMMONIA (☐ CERTIFIED AS 0.2% WATER BY WEIGHT) ☐ LIQUEFIED PETROLEUM GAS	☐ ANY OTHER MATERIAL THAT MAY CAUSE STRESS CORROSION CRACKING ___	STRESS RELIEVED AFTER FABRICATION ☐ YES ☒ NO	REPAIR DATE

DOT REGISTRATION NUMBER OF THE TESTING FACILITY/PERSON **CT-5931**	TEST DATE **2018-05**	STRESS RELIEVED AFTER REPAIR ☐ YES (☐ Full ☐ Local) ☐ NO	ASME OR NATIONAL BOARD NO. OF REPAIR FACILITY

TESTED BY (Person's Name) *ROUSSELLE LIONEL*	REPAIRED BY
ADDRESS **790 MONTRICHARD AVE.**	ADDRESS
CITY, STATE, ZIP **ST-JEAN-SUR-RICHELIEU, QC, CANADA, J2X 5G4**	CITY, STATE, ZIP

CARGO TANK: ☒ MEETS ☐ FAILS TO MEET THE REQUIREMENTS OF THE DOT SPECIFICATIONS IDENTIFIED ON THIS REPORT

DISPOSITION OF CARGO TANK: ☐ WITHDRAWN FROM SERVICE ☒ RETURNED TO SERVICE MARKINGS APPLIED: ☒ YES ☐ NO

SIGNATURE OF INSPECTOR/TESTER *(signature)*	DOT REGISTRATION NUMBER **CT-5931**	DATE **2018-05**	SIGNATURE OF OWNER	DATE

8897 (Rev. 1/17)

ORIGINAL

RECORD OF ANNUAL INSPECTION

(49 CFR, 396. 17-23)

Prepare Separate Report for Each Vehicle Inspected

2018-05

D3918969

COMPANY NAME	VEHICLE TYPE
	☐ TRUCK ☐ TRACTOR ☒ TRAILER ☐ CONVERTER DOLLY

STREET ADDRESS	VEHICLE MAKE **TREMCAR**	MODEL **TRA/REM**	YEAR **2019**

CITY	STATE	ZIP	VEHICLE IDENTIFICATION (Company No., State Tag No. or VIN) **2TLSL4320KB000395**

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
BRAKES			**EXHAUST**			**STEERING**			**FRAME**		
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 *TAPE*	✓		Lines			Other		
Compressor											
Parking Brakes			**CAB/BODY**			**SUSPENSION**			**WHEELS/RIM**		
Other			Access			Springs			Fasteners	✓	
			Eqpt./Load Secure			Attachments	✓		Disc/Spoke	✓	
COUPLERS			Tie-Downs			Sliders *500LBS TORQ*			*500LBS 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 *Lionel Rousselle*   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.

3136
(Rev. 10/16)

TREMCAR

CERTIFICATE OF COMPLIANCE

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

THIS CERTIFIES THAT THE NEW TREMCAR 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 TYPE	TRAILER	MANUFACTURER:	TREMCAR INC.	TCRN: N/A
				MDIN: 13017
		ASSEMBLER:		VIN: 2TLSL4320KB000395
		(IF NOT SAME AS MANUFACTURER)		TANK SERIAL NUMBER: 18865

RESPONSIBLE OFFICIAL OF TREMCAR INC.   DESIGN ENGINEER   TANK INSPECTOR
NAME AND ADRESS (IF NOT SAME AS ABOVE)

CARGO TANK COMPLIES WITH SECIFICATION:

TC 407

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

VENTS INTALLED: RATING
1. BETTS RVC3ST-25, 409559 SCFH (90%)
2.
3.

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 TEST P	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	MM
MFD. SHELL THICK.	TOP 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			

Job#: 18843@18892 **Units:** USG

CHARTE DE CALIBRATION / CALIBRATION CHART

CITERNE COMPARTIMENT / TANK COMPARTMENT: 1

	0"	1/4"	1/2"	3/4"
0	0	3	8	14
1	22	30	40	50
2	61	73	85	98
3	112	126	141	156
4	172	188	204	222
5	239	257	275	294
6	313	333	353	373
7	393	414	435	457
8	479	501	523	546
9	569	592	616	640
10	664	688	713	738
11	763	788	814	839
12	865	892	918	945
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

Job#: 18843@18892 **Units:** USG

CHARTE DE CALIBRATION / CALIBRATION CHART

CITERNE COMPARTIMENT / TANK COMPARTMENT: 1

	0"	1/4"	1/2"	3/4"
54	6199	6225	6251	6277
55	6302	6327	6352	6377
56	6401	6426	6450	6473
57	6497	6520	6543	6565
58	6588	6610	6631	6653
59	6674	6694	6715	6735
60	6754	6774	6793	6811
61	6829	6847	6864	6881
62	6897	6913	6929	6944
63	6958	6972	6985	6998
64	7010	7022	7032	7042
65	7051	7059	7066	7072
66				

THIS CHART IS NOT INTENDED FOR LEGAL MEASURE

CETTE TABLE N'EST PAS CONÇUE POUR MESURE LÉGALE

θ le 2018-05-09