

TANKER TEST AND INSPECTION REPORT

Information as required by CSA B-620-14

INSPECTION TEST DATE 2018-03		SERIAL NUMBER 18849										
OWNER CARRIER (if other than owner)												
PRINCIPAL PLACE OF BUSINESS ADDRESS CITY, STATE, ZIP CODE												
TELEPHONE:												
MFG. DATE 2018-03		ORIG. TEST DATE 2018-03										
TC SPECIFICATION NO. 407		FLUID CAPACITY (L) 26790										
VESSEL MATERIAL SPEC. NO.		MANUFACTURER'S SERIAL NO.										
		21LS14324KB000187										
		ASME CODE SYMBOL -----										
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 / 10 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									
	<input checked="" type="checkbox"/> 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									
MAXIMUM ALLOWABLE WORKING PRESSURE		KPA	172.28									
		MINIMUM DESIGN METAL TEMPERATURE	-29 TO 121 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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Roll over & Bumper protection	<input checked="" type="checkbox"/>		Distortions	<input checked="" type="checkbox"/>		Interior surface, including heads for corrosion	<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"/>		Dents	<input checked="" type="checkbox"/>		distortion overlay patches, cracking etc.	<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"/>		Welds	<input checked="" type="checkbox"/>		Areas above upper coupler, landing gear legs and subframe for indications of distortion or cracks	<input checked="" type="checkbox"/>	
Piping	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	- connecting structures	<input checked="" type="checkbox"/>		Frangible (Rupture) Disk	<input checked="" type="checkbox"/>		Interior welds for defects or cracking	<input checked="" type="checkbox"/>	
Gaskets	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	- suspension system attachments	<input checked="" type="checkbox"/>		Flues for Heating System	<input checked="" type="checkbox"/>		Size of the weld and their conformity	<input checked="" type="checkbox"/>	
Manhole Covers	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Drop upper coupler in place upper coupler	<input checked="" type="checkbox"/>		Name plate	<input checked="" type="checkbox"/>		Internal supports and attachments	<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"/>		ASME Name plate	<input checked="" type="checkbox"/>		Internal valves, piping and vents for leakage, damage	<input checked="" type="checkbox"/>	
Reclosing Pressure Relief Valves	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				Tanker insulate	<input checked="" type="checkbox"/>		Weld of baffles and pads	<input checked="" type="checkbox"/>	
Excess Flow Valves	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				Lining Material	<input checked="" type="checkbox"/>		Gaskets on Full Opening Rear Head	<input checked="" type="checkbox"/>	
Remote Closure Devices	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				Corrosive transport	<input checked="" type="checkbox"/>		Internal piping pressure test	<input checked="" type="checkbox"/>	
				(CHECK ONE)								
				<input type="checkbox"/> NO DEFECT OR DAMAGE DISCOVERED								
				<input type="checkbox"/> 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				
TESTED BY: (PERSON'S)				TESTED BY: (PERSON'S)				REPAIR DATE				
COMPANY NAME:				COMPANY NAME:				2018-03				
ADDRESS:				ADDRESS:								
CITY, STATE, ZIP CODE:				CITY, STATE, ZIP CODE								
DISPOSITION OF CARGO TANK APPLIED X IN THE APPROPRIATE CASE				CARGO TANK MEET TC SPECIFICATIONS AND IS RETURN TO SERVICE				MARKINGS APPLIED				
SIGNATURE OF INSPECTOR				DATE				YES				
				2018-03				NO				
TC REGISTRATION NUMBER				DATE				OWNER SIGNATURE				
25-0264												

TREMCAR

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

CT-5931
ST-JEAN-SUR-RICHELIEU

CT-5930
ST-CÉSAIRE

CERTIFICATE OF COMPLIANCE

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: 2T1SL43Z4KB000187

DATE SHIPPED: 2018-03

SERIAL NUMBER: 18849

RESPONSIBLE OFFICIAL OF TREMCAR INC.

DESIGN CERTIFICATION ENGINEER

REGISTERED INSPECTOR

CARGO TANK COMPLIES WITH SPECIFICATION

DOT: 407

CERTIFICATION DATE: 2018-03

CARGO TANK COMPLIES WITH SPECIFICATION

EXCEPT AS LISTED

CERTIFICATION DATE:

ITEMS NOT INSTALLED AT TIME OF SHIPMENT:

BY:

FIRM

AUTHORIZED SIGNATURE(S)

ABOVE ITEMS INSTALLED:

4

3

2

1

TANKER TEST AND INSPECTION REPORT

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

TANK IDENTIFICATION NO. **2018-03** INSPECTION TEST DATE **2018-03** REPORT NUMBER **18849**

OWNER: CARRIER (if other than owner) _____ TELEPHONE _____

PRINCIPAL PLACE OF BUSINESS ADDRESS _____

CITY, STATE, ZIP CODE _____ VESSEL MATERIAL SPEC. NO. _____

OWNER'S TANK SERIAL NO. _____ MFG. DATE **2018-03**

CARGO TANK MOTOR VEHICLE CERT. DATE **2018-03**

TREMCAR LINING MATERIALS **N/A**

MAX. WEIGHT OF LADING _____ DESIGN PRESSURE _____ DESIGN TEMPERATURE _____

LBS. **60500** (PSIG) **75** °F **250**

HEATING SYSTEM _____

SHELL **SA240-316/316 L** HEAD **SA240-316/316 L**

EXPOSED SURFACE AREA IN SQ. FT. **722** MAX. DESIGN DENSITY OF LADING (LBS. PER GAL.) **16.00**

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 attachments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Valves	<input checked="" type="checkbox"/>	<input type="checkbox"/>	- suspension system
<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"/>	

HOSE I.D. NO. **N/A** DATE OF ORIG. HOSE ASSEMBLY TEST _____

CONDITION OF HOSE ASSEMBLY & PIPING SYSTEM _____

(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

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) ANY OTHER MATERIAL THAT MAY CAUSE STRESS CORROSION CRACKING

DOT REGISTRATION NUMBER OF THE TESTING FACILITY/PERSON **CT-5931** TEST DATE **2018-03** STRESS RELIEVED AFTER REPAIR YES NO

TESTED BY (Person's Name) **Russelle Lioanel** REPAIRED BY _____

ADDRESS **790 MONTRICHARD AVE.** ADDRESS _____

CITY, STATE, ZIP _____ 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 **Russelle Lioanel** DOT REGISTRATION NUMBER **CT-5931** DATE **2018.03** SIGNATURE OF OWNER _____

RECORD OF ANNUAL INSPECTION

(49 CFR, 396. 17-23)

Prepare Separate Report for Each Vehicle Inspected

DATE

2018-03

D3918880

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) 2TLSL4324KB000187	
	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			TIRES		
Hose/Tubing	✓		Headlights			Linkage			Tread	✓	
Lining	✓		Tail/Stop	✓		Power Steering			Inflation	✓	
Antilock System	✓		Clearance/Marker	✓		Other			Damage	✓	
Automatic Adjusters	✓		Identification	✓		FUEL SYSTEM			Speed Restrictions	✓	
Low Air Warning			Reflectors	✓		Tank(s)			Other		
Trailer Air Supply			Other TAPE	✓		Lines			WHEELS/RIM		
Compressor			CAB/BODY			SUSPENSION			Fasteners	✓	
Parking Brakes			Access			Springs			Disc/Spoke	✓	
Other			Eqpt./Load Secure			Attachments	✓		500LBS 70R0	✓	
COUPLERS			Tie-Downs			Sliders			WINDSHIELD	✓	
Fifth-Wheel & Mount			Headerboard			AIR	✓		WINDSHLD. WIP.		
Pin/Upper Plate	✓		Motorcoach Seats			MIRRORS					
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

2018-03

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.

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3136
(Rev. 10/16)

Job#:	Units:	Job#:	Units:
18843@18892	USG	18843@18892	USG
CHARTE DE CALIBRATION/CALIBRATION CHART		CHARTE DE CALIBRATION/CALIBRATION CHART	
CITERNE COMPARTIMENT / TANK COMPARTIMENT: 1		CITERNE COMPARTIMENT / TANK COMPARTIMENT: 1	
0"	3/4"	0"	3/4"
0	0	14	8
54	6199	6199	6225
55	6302	6302	6327
56	6401	6401	6426
57	6497	6497	6520
58	6588	6588	6610
59	6674	6674	6694
60	6754	6754	6774
61	6829	6829	6847
62	6897	6897	6913
63	6958	6958	6972
64	7010	7010	7022
65	7051	7051	7059
66	7066	7066	7072
54	6199	6199	6225
55	6302	6302	6327
56	6401	6401	6426
57	6497	6497	6520
58	6588	6588	6610
59	6674	6674	6694
60	6754	6754	6774
61	6829	6829	6847
62	6897	6897	6913
63	6958	6958	6972
64	7010	7010	7022
65	7051	7051	7059
66	7066	7066	7072
14	8	3	0
3	3	0	0
0	0	0	0
1	22	30	22
2	61	73	85
3	112	126	141
4	172	188	204
5	239	254	275
6	313	333	353
7	393	414	435
8	479	501	523
9	569	592	616
10	664	688	713
11	763	788	814
12	865	892	918
13	972	999	1026
14	1081	1109	1137
15	1194	1222	1251
16	1309	1338	1368
17	1427	1457	1487
18	1548	1578	1609
19	1670	1701	1732
20	1795	1826	1858
21	1921	1953	1985
22	2050	2082	2114
23	2179	2212	2245
24	2311	2344	2377
25	2443	2476	2510
26	2577	2610	2644
27	2711	2745	2779
28	2846	2880	2914
29	2982	3016	3051
30	3119	3153	3187
31	3255	3290	3324
32	3393	3427	3462
33	3530	3565	3599
34	3668	3702	3736
35	3805	3839	3874
36	3942	3976	4010
37	4079	4113	4147
38	4215	4249	4282
39	4350	4384	4417
40	4485	4518	4552
41	4618	4652	4686
42	4751	4784	4817
43	4882	4915	4947
44	5012	5044	5077
45	5141	5172	5204
46	5267	5299	5330
47	5392	5423	5454
48	5515	5545	5576
49	5636	5665	5695
50	5754	5783	5812
51	5870	5898	5926
52	5982	6010	6038
53	6092	6119	6146
54	6173	6200	6227
55	6251	6278	6305
56	6327	6354	6381
57	6401	6428	6455
58	6473	6500	6527
59	6543	6570	6597
60	6610	6637	6664
61	6674	6701	6728
62	6736	6763	6790
63	6793	6820	6847
64	6847	6874	6901
65	6897	6924	6951
66	6913	6940	6967
67	6929	6956	6983
68	6944	6971	6998
69	6958	6985	7012
70	6972	7000	7027
71	6985	7012	7039
72	6998	7025	7052
73	7010	7037	7064
74	7022	7049	7076
75	7032	7059	7086
76	7042	7069	7096
77	7051	7078	7106
78	7059	7086	7116
79	7066	7093	7126
80	7072	7100	7136
81	7077	7105	7141
82	7082	7110	7146
83	7087	7115	7151
84	7092	7120	7156
85	7097	7125	7161
86	7102	7130	7166
87	7107	7135	7171
88	7112	7140	7176
89	7117	7145	7181
90	7122	7150	7186
91	7127	7155	7191
92	7132	7160	7196
93	7137	7165	7201
94	7142	7170	7206
95	7147	7175	7211
96	7152	7180	7216
97	7157	7185	7221
98	7162	7190	7226
99	7167	7195	7231
100	7172	7200	7236

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



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) VIN: 2TLSL4324KB000187
 TANK SERIAL NUMBER: 18849

RESPONSIBLE OFFICIAL OF TREM CAR INC. *[Signature]* TANK INSPECTOR *[Signature]*
 DESIGN ENGINEER NAME AND ADDRESS (IF NOT SAME AS ABOVE)

CARGO TANK COMPLIES WITH SECIFICATION:

TC 407

VENTS INTALLED: RATING DATE OF MER: 2018-03
 1. BETTS RVC3ST-25_409559 SCFH (90%) DATE OF CERT.: 2018-03
 2.
 3.

ITEMS NOT INSTALLED AT TIME OF SHIPMENT: 1.

ORIG. TEST DATE	2018-03		
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. 26790 L.
EXPOSED SURFACE AREA	67.07	SQ M	