

SIRV132 4782-SS1



TREM CAR

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 TYJ TRAILER MANUFACTURER: TREM CAR INC. TCRN: N/A
 ASSEMBLER: (IF NOT SAME AS MANUFACTURER) MDIN: 13017
 TANK SERIAL NUMBER: 2TL5L4322KB000401 VIN: 18871

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

CARGO TANK COMPLIES WITH SPECIFICATION:

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: 1. _____

ORIG. TEST DATE	2018-06					
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	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				

TANKER TEST AND INSPECTION REPORT

Information as required by CSA B-620-14

INSPECTION TEST DATE: **2018-06** SERIAL NUMBER: **18871**

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

PRINCIPAL PLACE OF BUSINESS ADDRESS: _____ TELEPHONE: _____

CITY, STATE, ZIP CODE: _____ CITY, STATE, ZIP CODE: _____

OWNER'S SERIAL NO.: _____ MFG. DATE: **2018-06** ORIG. TEST DATE: **2018-06** TC SPECIFICATION NO.: **407** FLUID CAPACITY (L): **26790**

CARRIER'S EQUIPMENT NO.: _____ VESSEL MATERIAL SPEC. NO.: _____ MANUFACTURER'S SERIAL NO.: _____ ASME CODE SYMBOL: _____

SA240-316/316 L

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 W = 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**

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)

OUTSIDE BARREL ITEMS	P	K	T	STRUCTURE ITEMS		GENERAL ITEMS		INTERNAL BARREL ITEMS	
				YES	NO	YES	NO	YES	NO
Tank Shell	<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"/>
Tank Heads	<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"/>
Head - to - Shell Seam	<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"/>
Piping	<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"/>
Valves	<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"/>
Gaskets	<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"/>
Manhole Covers	<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"/>
Devices for Tightening Manhole	<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"/>
Reclosing Pressure Relief Valves	<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"/>
Self-closing Stop-valves	<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"/>
Excess Flow Valves	<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"/>
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: _____

TESTED BY: (PERSON'S) **BOUSSELLE LIONEL** TESTED BY: (PERSON'S) _____

COMPANY NAME: **TREM CAR 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 APPROPRIATE CASE

CARGO TANK MEET TC SPECIFICATIONS AND IS RETURN TO SERVICE YES NO

CARGO TANK FAIL TC SPECIFICATIONS AND IS OUT OF SERVICE _____ MARKINGS APPLIED _____

SIGNATURE OF INSPECTOR: _____ TC REGISTRATION NUMBER: **25-0264** OWNER SIGNATURE: _____ DATE: **2018-06**



CT-5931 ST-JEAN-SUR-RICHELIEU

CT-5930 ST-CÉSaire

CERTIFICATE OF COMPLIANCE

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 CAPACITY: 7077 USG DATE SHIPPED: 2018-06
YEAR FABRICATED: 2018 VIN: 2T1S143Z2K8000401 SERIAL NUMBER: 18871

RESPONSIBLE OFFICIAL OF TREM CAR INC. *[Signature]*
DESIGN CERTIFICATION ENGINEER *[Signature]*
REGISTERED INSPECTOR *[Signature]*

CARGO TANK COMPLIES WITH SPECIFICATION DOT: 407 CERTIFICATION DATE: 2018-06

CARGO TANK COMPLIES WITH SPECIFICATION DOT: _____

EXCEPT AS LISTED

CERTIFICATION DATE: _____
BY: _____ FIRM: _____
1. _____
2. _____
3. _____
4. _____
ABOVE ITEMS INSTALLED: _____
ITEMS NOT INSTALLED AT TIME OF SHIPMENT: _____
AUTHORIZED SIGNATURE(S) _____

TANKER TEST AND INSPECTION REPORT

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

TANK IDENTIFICATION NO.		INSPECTION TEST DATE		REPORT NUMBER	
		2018-06		18871	
OWNER CARRIER (if other than owner)					
PRINCIPAL PLACE OF BUSINESS ADDRESS					
CITY, STATE, ZIP CODE		TELEPHONE		TELEPHONE	
CARRIER'S EQUIPMENT NO.		VESSEL MATERIAL SPEC. NO.			
CARGO TANK MOTOR VEHICLE MFG.					
2018-06		MFG. DATE		2018-06	
CARGO TANK MOTOR VEHICLE CERT. DATE					
2018-06					
OWNER'S TANK SERIAL NO.					
2018-06					
CARGO TANK MOTOR VEHICLE MFG.					
2018-06					
CARGO TANK MOTOR VEHICLE CERT. DATE					
2018-06					
MAX. WEIGHT OF LADING					
60500		LINING MATERIALS		N/A	
LBS.					
HEATING SYSTEM					
DESIGN PRESSURE (PSIG)		DESIGN TEMPERATURE (°F)		DESIGN TEMPERATURE (°F)	
75		250		250	
MATERIAL					
HEAD		SA240-316/316 L		SA240-316/316 L	
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 HYDROSTATIC
 LINING INSPECTION (L) DELIVERY HOSE/PIPING PNEUMATIC
 THICKNESS TEST (T) K-EPA27 PNEUMATIC

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.		DATE OF ORIG. HOSE ASSEMBLY TEST			
N/A		N/A			
CONDITION OF HOSE ASSEMBLY & PIPING SYSTEM					
THICKNESS (INCHES) MFG. MIN. TESTED HEAD 0.134 0.115 SHELL TOP 0.128 0.115 SHELL SIDE 0.128 0.115 SHELL BOTTOM 0.128 0.115					
PRESSURE RELIEF DEVICES Device Number 1 2 3 4 5 Tested 25 Removed Inspected Replaced Reinstalled Repaired Pressure - set to discharge 25 Pressure - when open 30 Pressure - when resealed 27					
UPPER COUPLER ASSEMBLY <input checked="" type="checkbox"/> EXAMINED IN PLACE NEW <input type="checkbox"/> REMOVED FOR EXAMINATION					
LEAKAGE TEST PRESSURE TEST FLUID USED WATER WATER PRESSURE 25 45 HOLDING TIME 5 min 10 min					

(CHECK ONE)

NO DEFECT OR DAMAGE DISCOVERED DEFECTS OR DAMAGE DISCOVERED

LOCATION OF DEFECTS OR DAMAGE: weld heat-affected zone vapor phase liquid 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

RECORD OF ANNUAL INSPECTION

(49 CFR, 396. 17-23)

Prepare Separate Report for Each Vehicle Inspected

DATE
2018-06

04256002

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	YEAR 2019
INSPECTOR'S NAME (Please Print)		EMPLOYEE NO.	

VEHICLE IDENTIFICATION (Company No., State Tag No. or VIN)
2TLSL4322KB000401

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

	OK	REPAIR	OK	REPAIR	OK	REPAIR	OK	REPAIR	OK	REPAIR
BRAKES										
Adjustment	✓					STEERING		FRAME		
Mechan. Compon.	✓					Adjustment		Members		
Drum/Rotor	✓					Column/Gear		Clearance		
Hose/Tubing	✓					Axle				
Lining	✓					Linkage		TIRES		
Antilock System	✓					Power Steering		Tread		✓
Automatic Adjusters	✓					Other		Inflation		✓
Low Air Warning	✓					FUEL SYSTEM		Damage		✓
Trailer Air Supply						Tank(s)		Speed Restrictions		
Compressor						Lines		Other		
Parking Brakes										
Other						SUSPENSION		WHEELS/RIM		
						Access		Fasteners		✓
						Eqpt./Load Secure		Disc/Spoke		✓
COUPLERS						Tie-Downs		500 LBS TORQUE		✓
Fifth-Wheel & Mount						Headerboard		WINDSHIELD		
Pin/Upper Plate	✓					Motorcoach Seats				
Pintle-Hook/Eye						Other		MIRRORS		
Safety Chain(s)								WINDSHLD. WIP.		

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 R. ...* 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#: 18843@18892		Job#: 18843@18892	
USG		USG	
CHARTRE DE CALIBRATION / CALIBRATION CHART		CHARTRE DE CALIBRATION / CALIBRATION CHART	
CITERNE COMPARTIMENT / TANK COMPARTIMENT: 1		CITERNE COMPARTIMENT / TANK COMPARTIMENT: 1	
0	0	14	54
0	0	3	55
1/4"	1/4"	8	56
1/2"	1/2"	14	57
3/4"	3/4"	14	58
0	0	14	59
0	0	14	60
0	0	14	61
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0	0	14	96
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0	0	14	98
0	0	14	99
0	0	14	100

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