

4753-551

TANKER TEST AND INSPECTION REPORT

Information as required by CSA B-620-14

INSPECTION TEST DATE

2018-03

SERIAL NUMBER

18848

OWNER

Robbie D Wood Inc

CARRIER (if other than owner)

PRINCIPAL PLACE OF BUSINESS ADDRESS

1051 Old Warrior River Rd

TELEPHONE:

205-744-8440

PRINCIPAL PLACE OF BUSINESS ADDRESS

CITY, STATE, ZIP CODE

Hueytown AL 35023

CITY, STATE, ZIP CODE

OWNER'S SERIAL NO.

MFG. DATE

2018-03

ORIG. TEST DATE

2018-03

TC SPECIFICATION NO.

407

FLUID CAPACITY (L)

26790

CARRIER'S EQUIPMENT NO.

SIRU110

VESSEL MATERIAL SPEC. NO.

MANUFACTURER'S SERIAL NO.

2TLSL4322KB000186

ASME CODE SYMBOL

TYPE OF TEST (S)

<input checked="" type="checkbox"/> EXTERNAL VISUAL (V)	<input checked="" type="checkbox"/> PRESSURE RETEST (P)	A	W	45	PSIG / 10 MIN
<input checked="" type="checkbox"/> INTERNAL VISUAL (I)	<input checked="" type="checkbox"/> LEAKAGE TEST (K)	A	W	25	PSIG / 5 MIN
<input checked="" type="checkbox"/> THICKNESS TEST (T)	<input checked="" type="checkbox"/> UPPER COUPLER (UC)	MEDIUM	A = AIR		
HYDROSTATIC OR PNEUMATIC PROCEDURE		MEDIUM	W = WATER		

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

TEST PRESSURE

KPA

310.10

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"/>
Manhole 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"/>
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

IS REPAIR CERTIFICATION REQUIRED?

YES

NO

DESIGN CERTIFYING ENGINEER REGISTRATION NO.

NONE - NEW TANK TRUCK

METHOD OF REPAIRS:

TEST DATE

2018-03

TC REGISTRATION NUMBER OF THE TESTING FACILITY/ PERSON

REPAIR INFORMATION

REPAIR DATE

TESTED BY: (PERSON'S)

ROUSSELETT 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 APPROPRIATE 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

25-0264

2018-03

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
	2018-03	18848
OWNER <i>Robbie D Wood Inc</i>	CARRIER (if other than owner)	
PRINCIPAL PLACE OF BUSINESS ADDRESS <i>1051 Old Warrior River Road</i>	PRINCIPAL PLACE OF BUSINESS ADDRESS	
CITY, STATE, ZIP CODE <i>Hueytown AL 35023</i>	TELEPHONE <i>205-744-8440</i>	TELEPHONE
OWNER'S TANK SERIAL NO.	MFG. DATE 2018-03	CARRIER'S EQUIPMENT NO. <i>SIRV110</i>
CARGO TANK MOTOR VEHICLE MFG. TREMCAR	CARGO TANK MOTOR VEHICLE CERT. DATE 2018-03	TANK MANUFACTURER TREMCAR
MAX. WEIGHT OF LADING 60500	LINING MATERIALS N/A	MANUFACTURER'S TANK SERIAL NO. 2TLSL4322KB000186
HEATING SYSTEM	DESIGN PRESSURE (PSIG) 75	DESIGN TEMPERATURE (°F) 250
	ORIGINAL TEST DATE 2018-03	MAXIMUM ALLOWABLE WORKING PRESSURE (PSIG) 25
SHELL SA240-316/316 L	HEAD SA240-316/316 L	DESIGN TEMPERATURE (°F) -20 TO 250
EXPOSED SURFACE AREA IN SQ. FT. 722	MAX. DESIGN DENSITY OF LADING (LBS. PER GAL.) 16.00	WATER CAPACITY IN LBS. 59022
TANK <input type="checkbox"/> LINED <input checked="" type="checkbox"/> INSULATED <input type="checkbox"/> SPECIAL SERVICE <input type="checkbox"/> MATERIAL CORROSIVE TO TANK _____ <input type="checkbox"/> DEDICATED SERVICE _____ <input type="checkbox"/> OTHER _____		
TYPE OF TEST(S) <input checked="" type="checkbox"/> EXTERNAL VISUAL (V) <input checked="" type="checkbox"/> LEAKAGE TEST (K) <input checked="" type="checkbox"/> PRESSURE RETEST (P) <input checked="" type="checkbox"/> INTERNAL VISUAL (I) <input checked="" type="checkbox"/> HYDROSTATIC <input type="checkbox"/> PNEUMATIC <input checked="" type="checkbox"/> HYDROSTATIC <input type="checkbox"/> LINING INSPECTION (L) <input type="checkbox"/> DELIVERY HOSE/PIPING <input type="checkbox"/> PNEUMATIC <input checked="" type="checkbox"/> THICKNESS TEST (T) <input type="checkbox"/> K-EPA27		

ITEMS INSPECTED OR TESTED											
YES	NO	ITEM	YES	NO	ITEM	K-EPA27					
<input checked="" type="checkbox"/>		Tank Shell	<input checked="" type="checkbox"/>		Frangible (Rupture) Disk	PRESSURE RELIEF DEVICES BETTS #RVC351-25 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 resealed: 27	Gasoline Delivery Tank Pressure Test - EPA Reference Method 27 TEST TIME MEASURE AVERAGE START END START END RESULTS				
<input checked="" type="checkbox"/>		Tank Heads	<input checked="" type="checkbox"/>		Major Appurtenances		PRES. 1				
<input checked="" type="checkbox"/>		Head-to-Shell Seam	<input checked="" type="checkbox"/>		upper coupler assembly		PRES. 2				
<input checked="" type="checkbox"/>		Valves	<input checked="" type="checkbox"/>		suspension system attachments		VAC. 1				
<input checked="" type="checkbox"/>		Gaskets	<input checked="" type="checkbox"/>		connecting structures		VAC. 2				
<input checked="" type="checkbox"/>		Manhole Covers	<input checked="" type="checkbox"/>		Lining Material		VR VENT 1				
<input checked="" type="checkbox"/>		Manhole Gaskets	<input checked="" type="checkbox"/>		Pressure Bearing Portions of Heating System		VR VENT 2				
<input checked="" type="checkbox"/>		Devices for Tightening Manhole Gaskets on Full Opening Rear Head	<input checked="" type="checkbox"/>		Flues for Heating System		UPPER COUPLER ASSEMBLY <input checked="" type="checkbox"/> EXAMINED IN PLACE NEW <input type="checkbox"/> REMOVED FOR EXAMINATION				
<input checked="" type="checkbox"/>		Self-closing Stop-valves	<input checked="" type="checkbox"/>		Corroded or Abraded Areas		FLUID USED	WATER	PRESSURE TEST	WATER	
<input checked="" type="checkbox"/>		Excess Flow Valves	<input checked="" type="checkbox"/>		Distortions		PRESSURE	25		45	
<input checked="" type="checkbox"/>		Remote Closure Devices	<input checked="" type="checkbox"/>		Dents		HOLDING TIME	5 min		10 min	
<input checked="" type="checkbox"/>		Reclosing Pressure Relief Valves	<input checked="" type="checkbox"/>		Welds						
<input checked="" type="checkbox"/>		Nuts and Bolts	<input checked="" type="checkbox"/>								
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 <u>0.131</u> 0.115 SHELL TOP <u>0.126</u> 0.115 SHELL SIDE <u>0.127</u> 0.115 SHELL BOTTOM <u>0.127</u> 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	<input type="checkbox"/> ANHYDROUS AMMONIA <input type="checkbox"/> CERTIFIED AS 0.2% WATER BY WEIGHT <input type="checkbox"/> LIQUEFIED PETROLEUM GAS	<input type="checkbox"/> ANY OTHER MATERIAL THAT MAY CAUSE STRESS CORROSION CRACKING	STRESS RELIEVED AFTER FABRICATION	REPAIR DATE
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CERTIFICATE OF COMPLIANCE

CT-5931
ST-JEAN-SUR-RICHELIEU

CT-5930
ST-CÉSAIRE

BCTE INC.

ISSUED TO OWNER

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: **2018-03**

YEAR FABRICATED: **2018** VIN: **2TLSL4322KB000186** SERIAL NUMBER: **18848**

RESPONSIBLE OFFICIAL OF TREM CAR INC.

DESIGN CERTIFICATION ENGINEER

REGISTERED INSPECTOR

CARGO TANK COMPLIES WITH SPECIFICATION

DOT: **407**

CERTIFICATION DATE: **2018-03**

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)

Job#: 18843@18892		Units: <i>SAVIO</i> 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"	1/4"	1/2"	3/4"	0"	1/4"	1/2"	3/4"
1	0	3	8	14	54	6199	6225	6251
2	22	30	40	50	55	6302	6327	6352
3	61	73	85	98	56	6401	6426	6450
4	112	126	141	156	57	6497	6520	6543
5	172	188	204	222	58	6588	6610	6631
6	239	257	275	294	59	6674	6694	6715
7	313	333	353	373	60	6754	6774	6793
8	393	414	435	457	61	6829	6847	6864
9	479	501	523	546	62	6897	6913	6929
10	569	592	616	640	63	6958	6972	6985
11	664	688	713	738	64	7010	7022	7032
12	763	788	814	839	65	7051	7059	7066
13	865	892	918	945	66			
14	972	999	1026	1054				
15	1081	1109	1137	1165				
16	1194	1222	1251	1280				
17	1309	1338	1368	1397				
18	1427	1457	1487	1517				
19	1548	1578	1609	1639				
20	1670	1701	1732	1763				
21	1795	1826	1858	1890				
22	1921	1953	1985	2017				
23	2050	2082	2114	2147				
24	2179	2212	2245	2278				
25	2311	2344	2377	2410				
26	2443	2476	2510	2543				
27	2577	2610	2644	2677				
28	2711	2745	2779	2812				
29	2846	2880	2914	2948				
30	2982	3016	3051	3085				
31	3119	3153	3187	3221				
32	3255	3290	3324	3359				
33	3393	3427	3462	3496				
34	3530	3565	3599	3633				
35	3668	3702	3736	3771				
36	3805	3839	3874	3908				
37	3942	3976	4010	4044				
38	4079	4113	4147	4181				
39	4215	4249	4282	4316				
40	4350	4384	4417	4451				
41	4485	4518	4552	4585				
42	4618	4652	4685	4718				
43	4751	4784	4817	4849				
44	4882	4915	4947	4980				
45	5012	5044	5077	5109				
46	5141	5172	5204	5236				
47	5267	5299	5330	5361				
48	5392	5423	5454	5484				
49	5515	5545	5576	5606				
50	5636	5665	5695	5725				
51	5754	5783	5812	5841				
52	5870	5898	5926	5954				
53	5982	6010	6038	6065				
54	6092	6119	6146	6173				

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



CERTIFICATE OF COMPLIANCE

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

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: 2TLSL4322KB000186
TANK SERIAL NUMBER: 18848

RESPONSIBLE OFFICIAL OF TREM CAR INC.

DESIGN ENGINEER

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

CARGO TANK COMPLIES WITH SECIFICATION:

TC 407

VENTS INTALLED: RATING DATE OF MFR: 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	<u>2018-03</u>		
MAX PAYLOAD	<u>27443</u>	KG	
MAX LOAD RATE	<u>1893</u>	L/MIN @	<u>172.3</u> Kpa
MAX. UNLOAD RATE	<u>1893</u>	L/MIN @	<u>172.3</u> Kpa
HEATING SYS. PRESS.	<u>516.8</u>	Kpa	HEATING SYS. TEMP. <u>121.1</u> °C
MAWP	<u>172.3</u>	Kpa	TEST P <u>310.1</u> Kpa
DESIGN TEMP. RANGE	<u>-29</u>	°C	TO <u>121</u> °C
WELD MATL.	<u>ER316L</u>		HEAD MATL. <u>SA240-316/316L</u>
SHELL MATL.	<u>SA240-316/316L</u>		LINING <u>N/A</u>
MIN. SHELL THICK.	TOP <u>2.921</u>	MM	BOTTOM <u>2.921</u> MM
MFD. SHELL THICK.	TOP <u>3.277</u>	MM	BOTTOM <u>3.277</u> MM
MIN HEAD THICK.	<u>2.921</u>	MM	MFD HEAD THICK. <u>3.556</u> MM
MAX. LADING DENSITY	<u>1.92</u>	KG/L	VOL CAP <u>26 790 L</u>
EXPOSED SURFACE AREA	<u>67.07</u>	SQ M	