T27-b

Test and Inspection Report in Accordance with CSA B620

Facility Name:	TREMCAR WEST INC.
Address:	1750 Aurum Road Edmonton, AB T6S 0A4
Telephone	(780) 371-1579
Facility Registration No.	**25. 1024**
Tank Owner:	**EXL Aggregate**
Address:	**4120 41 Street** **Drayton Valley, AB**
Telephone:	

TREMCAR
TREMCAR WEST INC.

JOB #:	87410	VIN #:	1PMA33124E1042388	MANUFACTURER:	POLAR
UNIT No:	42388	SERIAL #:	E1-42388	ASSEMBLER:	POLAR
TANK SPEC:	TC 407	TCRN/MDIN:		MAWP:	172 KPA
MANUFACTURE DATE:	08/2013	EXPOSED SURF.AREA:	65 SQ M	DESIGN PRESSURE:	
ORIGINAL TEST DATE:	08/2013	DESIGN TEMP RANGE:	-29C TO 121C	TEST PRESSURE:	310 KPA
CERTIFICATION DATE:	08/2013	DENSITY OF LADING:	1.56 KG/L		
HEAD MAT'L:	5454-0 AL	WELD MAT'L:	5356 AL	SHELL MAT'L:	5454 H32 AL
MIN. THICKNESS TOP/SIDES:	5.232 MM	MIN.THICKNESS BOTTOM:	5.232 MM	MIN.THICKNESS HEAD:	7.5438 MM

COMPARTMENT:	COMP. # 1:	COMP. # 2:	COMP. # 3:	COMP. # 4:	COMP. # 5:
CAPACITY:	31495 L	L	L	L	L

TC/MC331 ADDITIONAL REQUIREMENTS:

INCLUDE PICTURE OF METAL IDENTIFICATION PLATE WITH INSPECTION REPORTS

QT ☐ NQT ☐

STRESS RELIEVED AFTER: MANUFACTURE YES ☐ NO ☐

REPAIR YES ☐ NO ☐ N/A ☐

IF SO: LOCAL ☐ COMPLETE ☐

DOUBLE WALLED TANK: YES ☐ NO ☑ LINED TANK: YES ☐ NO ☑

INSULATED TANK: YES ☐ NO ☑ CORROSIVE SERVICE: YES ☐ NO ☑

TESTS PERFORMED (Reports Attached) "V" ☑ "I" ☑ "K" ☑ "P" ☑ "U/C" ☑ "T" ☐ "L" ☐ "S" ☐

HOSES TESTED YES (Report attached) ☐ NO ☑

Description of defects found and methods used to repair:
Replace front manifold camlock, replace DS front manifold gate valve
Install multiple 2" Dustcaps, fabricate ladder + catwalk, rebuild
vents, repair multiple cracks on crossmembers + brackets, fix dented
barrel

☐ No Defects Found

Tank successfully retested after repair: YES ☑ NO ☐ N/A ☐

Written repair report attached: YES ☑ NO ☐ N/A ☐

TANK DISPOSITION:

Removed from Service: ☐

Returned to Service: ☑

Tank markings applied *(QC Manual Reference Section 13)*: YES ☑ NO ☐

Leakage Test Report in Accordance with CSA B620

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UNIT No:	42388	SERIAL #:	E1-42388	ASSEMBLER:	POLAR
TANK SPEC:	TC 407	TCRN/MDIN:		MAWP:	172 KPA
MANUFACTURE DATE:	08/2013	EXPOSED SURF.AREA:	65 SQ M	DESIGN PRESSURE:	
ORIGINAL TEST DATE:	08/2013	DESIGN TEMP RANGE:	-29C TO 121C	TEST PRESSURE:	310 KPA
CERTIFICATION DATE:	08/2013	DENSITY OF LADING:	1.56 KG/L		
HEAD MAT'L:	5454-0 AL	WELD MAT'L:	5356 AL	SHELL MAT'L:	5454 H32 AL
MIN. THICKNESS TOP/SIDES:	5.232 MM	MIN.THICKNESS BOTTOM:	5.232 MM	MIN.THICKNESS HEAD:	7.5438 MM
COMPARTMENT: CAPACITY:	COMP. # 1: 31495 L	COMP. # 2: L	COMP. # 3: L	COMP. # 4: L	COMP. # 5: L

Leakage Test "K" (QC Manual Reference 12.4)

Test Pressure 172 KPa **(80% of MAWP Min.) Test Medium** Hydro **Hold Time** 10 mins

Test pressure for TC/MC331: 60PSI

Item inspected:	**Pass**	**Fail**	**Retest**	**N/A**
▪ All components in place	☑	☐	☐	☐
▪ All seams checked	☑	☐	☐	☐
▪ All gaskets checked	☑	☐	☐	☐
▪ External valve seats checked in sequence	☑	☐	☐	☐
▪ Pipe connection checked	☑	☐	☐	☐
▪ Check tank gauges	☐	☐	☐	☑
▪ Check dust caps	☑	☐	☐	☐

TC/MC331 additional requirements:

▪ ISC valve seat checked	☐	☐	☐	☑
▪ ISC Excess flow	☐	☐	☐	☑
▪ Check hose blowdown	☐	☐	☐	☑
▪ Check ACME fittings	☐	☐	☐	☑

Tank Tester Trainee: _____ Signature: _____ Date: _____

Tank Tester: Riley Zenchyzen Signature: Riley Zenchyzen Date: Aug 22/25

Hydrostatic Pressure Test Report in Accordance with CSA B620

TREMCAR
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JOB #:	87410	VIN #:	1PMA33124E1042388	MANUFACTURER:	POLAR
UNIT No:	42388	SERIAL #:	E1-42388	ASSEMBLER:	POLAR
TANK SPEC:	TC 407	TCRN/MDIN:		MAWP:	172 KPA
MANUFACTURE DATE:	08/2013	EXPOSED SURF.AREA:	65 SQ M	DESIGN PRESSURE:	
ORIGINAL TEST DATE:	08/2013	DESIGN TEMP RANGE:	-29C TO 121C	TEST PRESSURE:	310 KPA
CERTIFICATION DATE:	08/2013	DENSITY OF LADING:	1.56 KG/L		
HEAD MAT'L:	5454-0 AL	WELD MAT'L:	5356 AL	SHELL MAT'L:	5454 H32 AL
MIN. THICKNESS TOP/SIDES:	5.232 MM	MIN.THICKNESS BOTTOM:	5.232 MM	MIN.THICKNESS HEAD:	7.5438 MM
COMPARTMENT:	COMP. # 1:	COMP. # 2:	COMP. # 3:	COMP. # 4:	COMP. # 5:
CAPACITY:	31495 L	L	L	L	L

Pressure Test "P" (QC Manual Reference 12.5)

TC/MC331 **Wet Fluorescent Magnetic Particle test performed**
YES ☐ REF: _____ **NO ☑**

FOR TC/MC331 Test pressure will be 1.5x MAWP unless weld repair to tank then it will be 2x MAWP.

Test Pressure(tank) 310kpa (Refer to Table 7.3 of CSA B620 for appropriate test pressure)

Test Pressure(piping) 172 kpa (80% of MAWP Min.) Test Medium Hydro Hold Time 10 min

Test gauges calibrated: **Yes ☑** **No ☐** Pressure protection valve in place during hydrostatic test: **Yes ☑** **No ☐**

Item inspected:	Pass	Fail	Retest	N/A
▪ Relief valves removed and tested	☐	☑	☑	☐
▪ All closures in place	☑	☐	☐	☐
▪ All seams checked	☑	☐	☐	☐
▪ All gaskets checked	☐	☑	☑	☐
▪ External valve seats checked	☑	☐	☐	☐
▪ Pressure test heating system	☐	☐	☐	☑

Tank Tester Trainee: _____ Signature: _____ Date: _____

Tank Tester: Riley Zerchyzen Signature: Riley Zerchyzen Date: Aug 22/25

External Visual Inspection Report in Accordance with CSA B620

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JOB #:	87410	VIN #:	1PMA33124E1042388	MANUFACTURER:	POLAR
UNIT No:	42388	SERIAL #:	E1-42388	ASSEMBLER:	POLAR
TANK SPEC:	TC 407	TCRN/MDIN:		MAWP:	172 KPA
MANUFACTURE DATE:	08/2013	EXPOSED SURF.AREA:	65 SQ M	DESIGN PRESSURE:	
ORIGINAL TEST DATE:	08/2013	DESIGN TEMP RANGE:	-29C TO 121C	TEST PRESSURE:	310 KPA
CERTIFICATION DATE:	08/2013	DENSITY OF LADING:	1.56 KG/L		
HEAD MAT'L:	5454-0 AL	WELD MAT'L:	5356 AL	SHELL MAT'L:	5454 H32 AL
MIN. THICKNESS TOP/SIDES:	5.232 MM	MIN.THICKNESS BOTTOM:	5.232 MM	MIN.THICKNESS HEAD:	7.5438 MM
COMPARTMENT: CAPACITY:	COMP. # 1: 31495 L	COMP. # 2: L	COMP. # 3: L	COMP. # 4: L	COMP. # 5: L

External Visual Inspection "V" (QC Manual Reference 12.1)

Item inspected:	Pass	Fail	Repair	N/A
▪ Data plate, present info complete and legible	☑	☐	☐	☐
▪ Structural members, outriggers, cross members, etc.	☑	☐	☐	☐
▪ Surfaces of all welds for signs of defects or cracks	☐	☑	☑	☐
▪ Void drains are unplugged	☑	☐	☐	☐
▪ Exterior surface area including heads for signs of corrosion, abrasion, gouges, dents or repairs made using overlay patches	☑	☐	☐	☐
▪ Valves and vents for proper operation	☐	☑	☑	☐
▪ All gaskets for indications of leaking	☑	☐	☐	☐
▪ Piping and valves for leakage, damage, corrosion	☑	☐	☐	☐
▪ Inspect the function of all valve operating systems and remote closures	☑	☐	☐	☐
▪ Thermal means of closing bottom outlet valves	☑	☐	☐	☐
▪ Hoses for defects, identification and test dates	☐	☐	☐	☑
▪ Gaskets on full opening rear heads	☐	☐	☐	☑
▪ Tank attachments to frame or running gear	☐	☐	☐	☐
▪ Ladders, walkways, etc.	☐	☑	☑	☐
▪ Fill covers, manways and closure devices	☑	☐	☐	☐
▪ Accident damage protection (rear bumper, rollover protection, and piping guards)	☑	☐	☐	☐
▪ Relief valves and vents (replace or test if tank in service where lading corrosive to relief device)	☐	☑	☑	☐
▪ Tanks shall be rejected for less than minimum thickness remaining under a cut, dig or gouge	☑	☐	☐	☐
▪ Tanks shall be rejected for any dent with a depth of more than 0.5" at a weld	☑	☐	☐	☐
▪ Tanks shall be rejected for any source of leakage	☑	☐	☐	☐
▪ Tanks shall be rejected for use of overlay patches on liquid-retaining components of metal tanks	☑	☐	☐	☐
▪ Tanks shall be rejected for any weld defect, including a crack, pinhole, or incomplete fusion of the weld	☑	☐	☐	☐
TC/MC331 additional requirements:				
▪ Check all PPV's in place and re-seal rain caps	☐	☐	☐	☑
▪ Tank gauging device condition and function	☐	☐	☐	☑
▪ All hose attachments identified liquid or vapor outlet	☐	☐	☐	☑
▪ Check operation of thermal gauge	☐	☐	☐	☑
▪ Function of emergency discharge control system.	☐	☐	☐	☑
▪ If emergency discharge control system is a hose, liquid outlets marked "connect to passive emergency shut down system only"	☐	☐	☐	☑

Tank Inspector Trainee: _____ Signature: _____ Date: _____

Tank Inspector: Riley Zenchyzen Signature: Riley Zenchyzen Date: Aug 22/25

TREMCAR
TREMCAR WEST INC.

Internal Visual Inspection Report in Accordance with CSA B620

JOB #:	87410	VIN #:	1PMA33124E1042388	MANUFACTURER:	POLAR
UNIT No:	42388	SERIAL #:	E1-42388	ASSEMBLER:	POLAR
TANK SPEC:	TC 407	TCRN/MDIN:		MAWP:	172 KPA
MANUFACTURE DATE:	08/2013	EXPOSED SURF.AREA:	65 SQ M	DESIGN PRESSURE:	
ORIGINAL TEST DATE:	08/2013	DESIGN TEMP RANGE:	-29C TO 121C	TEST PRESSURE:	310 KPA
CERTIFICATION DATE:	08/2013	DENSITY OF LADING:	1.56 KG/L		
HEAD MAT'L:	5454-0 AL	WELD MAT'L:	5356 AL	SHELL MAT'L:	5454 H32 AL
MIN. THICKNESS TOP/SIDES:	5.232 MM	MIN.THICKNESS BOTTOM:	5.232 MM	MIN.THICKNESS HEAD:	7.5438 MM
COMPARTMENT: CAPACITY:	COMP. # 1: 31495 L	COMP. # 2: L	COMP. # 3: L	COMP. # 4: L	COMP. # 5: L

Internal Visual Inspection "I" (QC Manual Reference 12.3)

Tank interior atmosphere verified as suitable for entry ☑ YES ☐ NO

Confined space entry documents completed ☑ YES ☐ NO

Item inspected:	Pass	Fail	Retest	N/A
▪ Check magnetic Rochester/Titan gauge	☐	☑	☑	☐
▪ Interior surface, piping and vents for leakage, damage, etc.	☑	☐	☐	☐
▪ Interior welds for defects, cracking, etc.	☑	☐	☐	☐
▪ Internal supports and attachments	☑	☐	☐	☐
▪ Areas above upper coupler, landing gear legs, running gear sub form for indications of distortion or cracks	☑	☐	☐	☐
▪ Interior surface, including heads for corrosion, distortion overlay patches, cracking, etc.	☑	☐	☐	☐

Tank Inspector Trainee: _____ Signature: _____ Date: _____

Tank Inspector: Riley Zenchyzen Signature: Riley Zenchyzen Date: Aug 22/25

Upper Coupler Inspection Report in Accordance with CSA B620

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JOB #:	87410	VIN #:	1PMA33124E1042388	MANUFACTURER:	POLAR
UNIT No:	42388	SERIAL #:	E1-42388	ASSEMBLER:	POLAR
TANK SPEC:	TC 407	TCRN/MDIN:		MAWP:	172 KPA
MANUFACTURE DATE:	08/2013	EXPOSED SURF.AREA:	65 SQ M	DESIGN PRESSURE:	
ORIGINAL TEST DATE:	08/2013	DESIGN TEMP RANGE:	-29C TO 121C	TEST PRESSURE:	310 KPA
CERTIFICATION DATE:	08/2013	DENSITY OF LADING:	1.56 KG/L		
HEAD MAT'L:	5454-0 AL	WELD MAT'L:	5356 AL	SHELL MAT'L:	5454 H32 AL
MIN. THICKNESS TOP/SIDES:	5.232 MM	MIN.THICKNESS BOTTOM:	5.232 MM	MIN.THICKNESS HEAD:	7.5438 MM
COMPARTMENT:	COMP. # 1:	COMP. # 2:	COMP. # 3:	COMP. # 4:	COMP. # 5:
CAPACITY:	31495 L	L	L	L	L

UPPER COUPLER/TURN TABLE INSPECTION "UC"	Pass	Fail	Repair	N/A
▪ Upper coupler or turn table removed from tank and inspected	☑	☐	☐	☐
▪ Upper coupler or turn table checked for cracks corrosion, or distortion	☑	☐	☐	☐
▪ Areas covered by upper coupler or turn table inspected for corrosion, abrasion, dents, distortion, weld defects, or any condition that might render the tank unsafe	☑	☐	☐	☐

Tank Inspector Trainee: _____ Signature: _____ Date: _____

Tank Inspector: Riley Zenchyzen Signature: Riley Zenchyzen Date: Aug 22/25

TREMCAR
TREMCAR WEST INC.

Vacuum/Pressure Vent Inspection Report in Accordance with CSA B620

JOB #:	87410	VIN #:	1PMA33124E1042388	MANUFACTURER:	POLAR
UNIT No:	42388	SERIAL #:	E1-42388	ASSEMBLER:	POLAR
TANK SPEC:	TC 407	TCRN/MDIN:		MAWP:	172 KPA
MANUFACTURE DATE:	08/2013	EXPOSED SURF.AREA:	65 SQ M	DESIGN PRESSURE:	
ORIGINAL TEST DATE:	08/2013	DESIGN TEMP RANGE:	-29C TO 121C	TEST PRESSURE:	310 KPA
CERTIFICATION DATE:	08/2013	DENSITY OF LADING:	1.56 KG/L		
HEAD MAT'L:	5454-0 AL	WELD MAT'L:	5356 AL	SHELL MAT'L:	5454 H32 AL
MIN. THICKNESS TOP/SIDES:	5.232 MM	MIN.THICKNESS BOTTOM:	5.232 MM	MIN.THICKNESS HEAD:	7.5438 MM
COMPARTMENT:	COMP. # 1:	COMP. # 2:	COMP. # 3:	COMP. # 4:	COMP. # 5:
CAPACITY:	31495 L	L	L	L	L

Compartment #:

	1	2	3	4	5
Type and Model	Opened At	Opened At	Opened At	Opened At	Opened At
Girard vac vent	10 HG				
Set to Open At	Reseated At	Reseated At	Reseated At	Reseated At	Reseated At
10 HG	1 HG				
Rated Capacity (SCFH)	Pass ☑	Pass ☐	Pass ☐	Pass ☐	Pass ☐
12,000 @ 15 HG	Fail ☐	Fail ☐	Fail ☐	Fail ☐	Fail ☐
	Replaced ☐	Replaced ☐	Replaced ☐	Replaced ☐	Replaced ☐
	Repaired ☑	Repaired ☐	Repaired ☐	Repaired ☐	Repaired ☐

	1	2	3	4	5
Type and Model	Opened At	Opened At	Opened At	Opened At	Opened At
Girard pressure vent	30 PSI				
Set to Open At	Reseated At	Reseated At	Reseated At	Reseated At	Reseated At
30 PSI	25 PSI				
Rated Capacity (SCFH)	Pass ☑	Pass ☐	Pass ☐	Pass ☐	Pass ☐
Flow 45 SCFH	Fail ☐	Fail ☐	Fail ☐	Fail ☐	Fail ☐
	Replaced ☐	Replaced ☐	Replaced ☐	Replaced ☐	Replaced ☐
	Repaired ☑	Repaired ☐	Repaired ☐	Repaired ☐	Repaired ☐

	1	2	3	4	5
Type and Model	Opened At	Opened At	Opened At	Opened At	Opened At
Set to Open At	Reseated At	Reseated At	Reseated At	Reseated At	Reseated At
Rated Capacity (SCFH)	Pass ☐	Pass ☐	Pass ☐	Pass ☐	Pass ☐
	Fail ☐	Fail ☐	Fail ☐	Fail ☐	Fail ☐
	Replaced ☐	Replaced ☐	Replaced ☐	Replaced ☐	Replaced ☐
	Repaired ☐	Repaired ☐	Repaired ☐	Repaired ☐	Repaired ☐

Tank Inspector Trainee: _____ Signature: _____ Date: _____

Tank Inspector: Riley Zeachyzen Signature: Riley Zeachyzen Date: Aug 22/25