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Test and Inspection Report in Accordance with CSA B620 Facility Name: TREMCAR WEST INC. 1750 Aurum Road Address: Edmonton, AB T6S 0A4 Facility Registration No. 25. 1024 (780) 371-1579 Telephone TREMCAR WEST INC. Tank Owner: **EXL Aggregate** Address: 4120 41 Street Drayton Valley, AB Telephone: MANUFACTURER: **POLAR** JOB #: 87409 VIN#: 1PMA33934E1042386 386 E1-42386 ASSEMBLER: **POLAR UNIT No:** SERIAL #: MAWP: 172 KPA TANK SPEC: TC 407 TCRN/MDIN: **DESIGN EXPOSED MANUFACTURE** 08/2013 SURF.AREA: 71 SQ M PRESSURE: DATE: **DESIGN TEMP** TEST **ORIGINAL TEST** RANGE: DATE: 08/2013 -29C TO 121C PRESSURE: 310 KPA DENSITY OF CERTIFICATION LADING: 1.56 KG/L DATE: 08/2013 5454 H32 AL **HEAD MAT'L:** 5454-0 AL WELD MAT'L: 5356 AL SHELL MAT'L: MIN. THICKNESS MIN.THICKNESS MIN.THICKNESS 7.5184 MM TOP/SIDES: 5.486 MM **BOTTOM:** 5.486 MM HEAD: COMP. # 2: COMP. # 3: COMP. # 4: COMP. # 5: COMPARTMENT: COMP. # 1: CAPACITY: 31495 L TC/MC331 ADDITIONAL REQUIREMENTS: INCLUDE PICTURE OF METAL IDENTIFICATION PLATE WITH INSPECTION REPORTS NQT STRESS RELIEVED AFTER: MANUFACTURE YES NO **REPAIR** YES NO □ N/A □ IF SO: LOCAL COMPLETE NO 🗹 DOUBLE WALLED TANK: YES YES □ LINED TANK: CORROSIVE SERVICE: YES □ NO ☑ NO M **INSULATED TANK:** YES **TESTS PERFORMED** (Reports Attached) **HOSES TESTED** NO YES (Report attached) Description of defects found and methods used to repair: washout blank gasket remount emesgency shutof ventline t □ No Defects Found Z Tank successfully retested after repair: YES NO N/A Written repair report attached: YES NO N/A TANK DISPOSITION: Removed from Service:

YES

NO

Returned to Service:

Tank markings applied (QC Manual Reference Section 13):



Vacuum/Pressure Vent Inspection Report in Accordance with CSA B620

JOB #:	87409		VIN #:		1PI	MA33934E1042386	MANUFACTU	_ MANUFACTURER:		
UNIT No:	42386		s	ERIAL#:		E1-42386	ASSEMBLE	ER:	POLAR	
TANK SPEC:	T	TC 407		RN/MDIN:			MAWP:		172 KPA	
MANUFACTURE DATE:	08/2013		EXPOSED SURF.AREA: DESIGN TEMP			71 SQ M	PRESSUR	DESIGN PRESSURE: TEST		
ORIGINAL TEST DATE:	0	8/2013				-29C TO 121C	_ PRESSURE:		310 KPA	
CERTIFICATION				NSITY OF						
DATE:		8/2013	•	LADING:		1.56 KG/L	—			
HEAD MAT'L:	54	54-0 AL	•	LD MAT'L:		5356 AL	SHELL MAT		5454 H32 AL	
MIN. THICKNESS TOP/SIDES:	5.4	186 MM		THICKNESS OTTOM:	5.486 MM		MIN.THICKNESS HEAD:		7.5184 MM	
-			C	OMP. # 2:		COMP. # 3:	 COMP.#	4 :	COMP. # 5:	
COMPARTMENT: CAPACITY:	31	495 L		L		L	L		L	
				_						
				Compa	rtme					
		1		2	_	3	4		5	
Type and Model	. 1	Opened A	At	Opened A	<u>t</u>	Opened At	Opened At	٦٢,	Opened At	
Crimin has non-	<u>†</u>	TOHE	لـــــا	<u> </u>		<u> </u>	<u> </u>	_ L		
Set to Open At		Reseated	At	Reseated	At	Reseated At	Reseated At	7	Reseated At	
1046		141		<u> </u>		<u> </u>	<u> </u>	ᆚᄔ		
Rated Capacity (SCFH)		Fail 🗌		Pass 🔲		Pass 🗍	_		Pass	
12,000 B) 15H6				Fail 🔲	_	Fail 🔲	Fail 🗌		Fail □ Replaced □	
		Replaced 🗆		Replaced 🗆		Replaced 🗆	Replaced 🔲	•		
		Repaired	<u> </u>	Repaired	<u> </u>	Repaired 🗆	Repaired 🗆		Repaired 🔲	
		1		2		3	4		5	
Type and Model	· (a (Opened A		Opened A	<u>-</u>	Opened At	Opened At	76	Opened At	
bisard pressure	1004	30PS1		<u> </u>			<u> </u>	ᆚᄔ		
Set to Open At		Reseated		Reseated	At	Reseated At	Reseated At	٦٢'	Reseated At	
30 421		<u> 22 5</u> 5	<u> </u>	<u> </u>			l <u> </u>	IJĻ		
Rated Capacity (Pass 🔲		Pass 🔲	Pass 🔲		Pass 🔲	
Flow 45 SC	FH	Fail 🔲	_	Fail 🔲 _		Fail 🗌			Fail 🔲 _	
		Replaced		Replaced 🗌		Replaced	•		Replaced 🗌	
		Repaired	AT	Repaired 🗌		Repaired 🗌	Repaired 🗌		Repaired 🔲	
		1		2	_	3	4		5	
Type and Model		Opened A	<u> </u>	Opened A	<u>t</u>	Opened At	Opened At	٦ď	Opened At	
Set to Open At		Reseated		Reseated	——J Ơ	Reseated At	Reseated At	ᆚᄔ	Reseated At	
set to open At		<u>Reseated</u>	$\widehat{}$	<u>Researca</u>	<u> </u>	Reseated At	I Reseated At	٦٢	Teseuteu At	
Rated Capacity (SCFH)	Pass 🗌		Pass		Pass 🗍	Pass 🗆		Pass 🗌	
		Fail		Fail 🔲		Fail	Fail 🔲		Fail 🔲	
· · · · · · · · · · · · · · · · · · ·		Replaced		Replaced		Replaced 🗌			Replaced 🔲	
		Repaired		Repaired		Repaired 🗆	• —		Repaired	
Tank Inspector Train	nee:			Signatu			Date:			
·						0 1		2 1		
Tank Inspector: R	16-1	<u> </u>	<u>⊱</u> Sig	nature: <u>K:l</u>	ر- ب	cenchyzen [Date: <u>/ \ぃぃ </u>	<u>د ل</u>	47	



Upper Coupler Inspection Report in Accordance with CSA B620

JOB #:	87409	VIN#:	1PMA33934E1042386	MANUFA	CTURER:	POLAR			
UNIT No:	42386	SERIAL#:	E1-42386	ASSEMBLER:		POLAR			
TANK SPEC: MANUFACTURE	TC 407	TCRN/MDIN:		MAWP: DESIGN PRESSURE: TEST PRESSURE:		172 KPA	<u>. </u>		
DATE: ORIGINAL TEST	08/2013	SURF.AREA: DESIGN TEMP	71 SQ M						
DATE:	08/2013	RANGE: DENSITY OF	-29C TO 121C			310 KPA			
CERTIFICATION DATE:	08/2013	LADING:	1.56 KG/L						
HEAD MAT'L:	5454-0 AL	WELD MAT'L:	5356 AL	SHELL MAT'L: MIN.THICKNESS HEAD: COMP. # 4:		5454 H32 AL			
MIN. THICKNESS TOP/SIDES:	5.486 MM	MIN.THICKNES S BOTTOM:	5.486 MM			7.5184 M	<u> </u>		
COMPARTMENT:	COMP. # 1:	COMP. # 2:	COMP. # 3:			COMP. # 5:			
CAPACITY:	31495 L	L .	L			L			
UPPER COUPLER/TUR	N TABLE INSI	PECTION "UC"		Pass	Fail	Repair	N/A		
 Upper coupler or 	turn table rem	oved from tank a	and inspected						
 Upper coupler or 	turn table che	cked for cracks o	corrosion, or distortion	ď					
 Areas covered by 	y upper couple	r or turn table in	spected for corrosion,	Ø					
abrasion, dents, distortion, weld defects, or any condition that might render the tank unsafe									
Tank Inspector Trainee) :	Sig	nature:		Date: _		_		

Tank Inspector Riley Zenchylon Signature: Riley Zenchylon Date: Aug 12/25



Leakage Test Report in Accordance with CSA B620

JOB #:	87409	VIN #:	1PMA33934E1042386	MANU	FACTURE	R: POL	AR		
UNIT No:	42386	SERIAL #:	E1-42386	ASS	ASSEMBLER:		POLAR		
TANK SPEC:	TC 407	TCRN/MDIN:			AAWP:	172 K	(PA		
MANUFACTURE DATE:	08/2013	EXPOSED SURF.AREA:	71 SQ M	PRI	DESIGN PRESSURE:				
ORIGINAL TEST DATE:	08/2013	DESIGN TEMP RANGE: DENSITY OF	-29C TO 121C		TEST ESSURE:	310 K	(PA		
CERTIFICATION DATE:	08/2013	LADING:	1.56 KG/L						
HEAD MAT'L:	5454-0 AL	_ WELD MAT'L: _	5356 AL	_	LL MAT'L:		32 AL		
MIN. THICKNESS TOP/SIDES:	5.486 MM	MIN.THICKNESS BOTTOM:	5.486 MM		'HICKNES HEAD:	S 7.5184	MM		
COMPARTMENT: CAPACITY:	COMP. # 1: 31495 L	COMP. # 2: L	COMP. # 3: L		COMP. # 4:		COMP. # 5:		
Leakage Test "K" (QC Manual Reference 12.4) Test Pressure 12 to 180% of MAWP Min.) Test Medium Hydro Hold Time 10 min.									
Item inspected	:			Pass	Fail	Retest	N/A		
 All compo 	onents in place)							
•	s checked								
 All gaske 	ts checked								
External	valve seats ch	ecked in seque	nce	v					
■ Pipe con	nection checke	ed							
 Check ta 	nk gauges			D					
■ Check du	ıst caps								
TC/MC331 addi	itional require	ments:					_		
 ISC valve 	e seat checked								
 ISC Exce 	ess flow								
 Check ho 	se blowdown						\mathbb{Z}_{p}		
Check A0	CME fittings								
			ure:						
1	M.I ¬ I .		0.10.74-1	7	1	17/2	بر		

Tank Tester: R: ley Zanchyzen Signature: Riley Zonchyzes Date: Acy 12/23



External Visual Inspection Report in Accordance with CSA B620

JOB #:	87409	VIN #:	1PMA33934E1042386	MANUFACTU	JRER: _	POLA	AR	
UNIT No:	42386	SERIAL #:	E1-42386	ASSEMBLER:		POLA	\R	
TANK SPEC:	TC 407	TCRN/MDIN:		MAWP:	MAWP:		PA	
MANUFACTURE DATE:	08/2013	EXPOSED SURF.AREA:	71 SQ M	DESIGN PRESSUF				
ORIGINAL TEST DATE:	08/2013	DESIGN TEMP RANGE:	-29C TO 121C	TEST PRESSUF	RE: _	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 MA	T'L:	5454 H3	2 AL	
MIN. THICKNESS TOP/SIDES:	5.486 MM	MIN.THICKNESS BOTTOM:	5.486 MM	MIN.THICKN HEAD:	7.5184 MM COMP. # 5:			
COMPARTMENT: CAPACITY:	COMP. # 1: 31495 L	COMP. # 2: L	COMP. # 3: L	COMP.# L	4:	COMP.	# 5:	
External Visual In	spection "V" (QC	Manual Reference	12.1)					
Item inspected:					Pass	Fail	Repair	N/A
 Data plate, present info con 					9			
Structural members, outri							☑	
 Surfaces of all welds for s 		cracks						
 Void drains are unplugged 					A A			
Exterior surface area inclusion available area.	uding heads for sig	ins of corrosion, abr	asion, gouges, dents or re	epairs made	V			
using overlay patches Valves and vents for prop	er operation				V			
							Z	
· · · · · · · · · · · · · · · · · · ·								
■ 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 								
		es						
Gaskets on full opening re Tank attachments to from								Z
■ Tank attachments to fram	e or running gear							
Ladders, walkways, etc.	-l						. 🗹	
 Fill covers, manways and 								
Accident damage protection Deliaforation and contacts								
Relief valves and vents (r	•			•			<u> </u>	
 Tanks shall be rejected fo 				ıge				
 Tanks shall be rejected fo 	-	•	.5" at a weld					
 Tanks shall be rejected fo 	•				Ø			
Tanks shall be rejected for					ॼ			
 Tanks shall be rejected fo weld 	r any weld defect,	including a crack, pi	inhole, or incomplete fusion	on of the	4			
TC/MC331 additional requirem								
 Check all PPV's in place a 		ps						₹/
 Tank gauging device cond 								Z/
 All hose attachments iden 		or outlet						Ø,
 Check operation of therma 								
 Function of emergency dis 								
 If emergency discharge co emergency shut down sys 		nose, liquid outlets n	narked "connect to passiv	e 				
Tank Inspector Trai	nee:	Signa	ture:	Date	:			
_								

Tank Inspector Rieg Zendy 200 Signature: Kiley Zendy 200 Date: Arg 12/25



Internal Visual Inspection Report in Accordance with CSA B620

JOB #:	87409	_ VIN #:	1PMA33934E1042386	_ MANUFACTU	RER: _	POL	AR	
UNIT No:	42386	SERIAL#:	E1-42386	ASSEMBLI	ER:	POL	AR	_
TANK SPEC:	TC 407	TC 407 TCRN/MDIN:		_ MAWP:		172 ł	(PA	_
MANUFACTURE DATE:	08/2013	EXPOSED		DESIGN PRESSUR				_
ORIGINAL TEST DATE:	08/2013	DESIGN TEMP RANGE:	-29C TO 121C	TEST PRESSUF	RE: _	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 MA	T'L: _	5454 H	_	
MIN. THICKNESS TOP/SIDES:	5.486 MM	MIN.THICKNESS BOTTOM:	5.486 MM	MIN.THICKN HEAD:	IESS	7.5184 MM		
COMPARTMENT:	COMP. # 1:	COMP. # 2:	COMP. # 3:	COMP. #	4:	COMP. # 5:		_
CAPACITY:	31495 L	L	L	L		L		
Tank interior a	tmosphere ver	C Manual Refere ified as suitable ents completed	e for entry	YES YES			NO NO	
· · · · · · · · · · · · · · · · · · ·								
tem inspected	:			Pass	Fail	Ret	est	N/A
•	: etic Rochester/	Titan gauge		Pass	Fail	Ret	est	N/A
Check magne	etic Rochester/		ge, damage, etc.		_	Ret	est	
Check magne	etic Rochester/	vents for leaka	ge, damage, etc.			Ret	est]	
Check magne Interior surface Interior welds	etic Rochester/ ce, piping and	vents for leaka acking, etc.	ge, damage, etc.			Ret	est]]	D
Check magne Interior surface Interior welds Internal supp	etic Rochester/ ce, piping and for defects, cr orts and attach	vents for leaka racking, etc. nments	ge, damage, etc. egs, running gear			Ret]]]	D
Check magne Interior surface Interior welds Internal supp Areas above	etic Rochester/ ce, piping and for defects, cr orts and attach upper coupler,	vents for leaka racking, etc. nments	egs, running gear]]]	D
Check magne Interior surface Interior welds Internal supp Areas above sub form for i	etic Rochester/ ce, piping and for defects, cr orts and attach upper coupler, ndications of d	vents for leaka racking, etc. nments landing gear l	egs, running gear cks]]]	D
Interior surface Interior welds Internal supp Areas above sub form for i	etic Rochester/ ce, piping and for defects, cr orts and attach upper coupler, ndications of d	vents for leaka racking, etc. nments landing gear listortion or cra eads for corros	egs, running gear cks]]]	D
Check magne Interior surface Interior welds Internal supp Areas above sub form for interior surface	etic Rochester/ ce, piping and for defects, cr orts and attach upper coupler, ndications of d ce, including he nes, cracking, e	vents for leaka racking, etc. nments landing gear listortion or cra eads for corros	egs, running gear cks sion, distortion]]]	D

Tank Inspector: R: lay Zenchyzen Signature: Piley Zenchyzon Date: Aug 12/25

Hydrostatic Pressure Test Report in Accordance with CSA B620



JOB #:	87409	VIN#:	1PMA33934E1042386	MA1	NUFACT	JRER: _	POLAR	
UNIT No:	42386	SERIAL #:	SERIAL #: E1-42386		ASSEMBLER:			
TANK SPEC: TC 407		TCRN/MDIN:			MAWP	•	172 KPA	
		EXPOSED		_	DESIGN	_		
MANUFACTURE DATE: 08/2013		SURF.AREA:	71 SQ M	F	PRESSU			
ORIGINAL TEST DATE:	08/2013	DESIGN TEMP RANGE:	-29C TO 121C	F	TEST RESSU	RE:	310 KPA	
CERTIFICATION DATE:	08/2013	DENSITY OF LADING:	1.56 KG/L			_		
HEAD MAT'L:	5454-0 AL	WELD MAT'L:	5356 AL	s	HELL MA	.T'L: _	5454 H32 AL	
MIN. THICKNESS TOP/SIDES:	5.486 MM	MIN.THICKNESS BOTTOM:	5.486 MM	IIM	N.THICKI HEAD:		7.5184 MM	
COMPARTMENT:	COMP. # 1:	COMP. # 2:	COMP. # 3:		COMP.#	_	COMP. # 5	
CAPACITY:	31495 L	L	L		L		L	
Pressure Test "I	P" (QC Manual R	eference 12.5)						
TC/MC331	Wet Fluor	escent Magnetic	: Particle test perfo	med				
YES □ REF	:		NO M	•				
FOR TC/MC331 Te	est pressure will be	1.5x MAWP unless	weld repair to tank the	ı it will l	oe 2x M	AWP.		
Test Pressure(tan	k) <u>310 KPU</u> (R	efer to Table 7.3 of	CSA B620 for appropri	ate test	pressui	e)		
Test Pressure(pip	ina) [72] (100 (100)	80% of MAWP Min	.) Test Medium	•	Hold Ti	me 10,	צרי.ה	
	٠, ١		ection valve in place du					
rest gauges camb	rateu. Pes El No	г Pressure prote	schort valve in place du	ing nyc	iiostatic	lest. Tea		
Item inspected	:			Pass	Fail	Retest	N/A	
 Relief value 	alves removed an	d tested		מ				
 All closu 	ıres in place			K				
 All sean 	ns checked			ď				
 All gask 	ets checked							
 External 	I valve seats chec	ked		Ø				
 Pressure test heating system 								
, , , , , ,								
Tank Tester Traine	ee:	Siona	ture:		Da	te:		
	Pilo Zonal	24	Aclan Pount	74.	_	Acco	12/15	