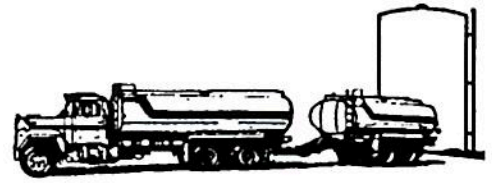




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EMAIL: nortech@pris.ca



REG. NO. 25-0176
CSA B-620 7.2.1

EXTERNAL VISUAL INSPECTION REPORT

WORKORDER # 39952

TC No. 306 ☐ 406 ☐ 307 ☐ 407 ☒ 350 ☐ 312 ☐ 412 ☐ 407 / 412 ☐ CRUDE ☐

DATE November 14, 2024 CARRIER 2100 RELIANCE VENTURES INC.

UNIT # T130 ADDR PO BOX 6242 FORT ST. JOHN BC V1J 4H6 PHONE # (250) 793-1009

TANK SERIAL NUMBER 21838 TANK MANUFACTURER HEIL TRAILER MANUFACTURE DATE Aug-06 CERTIFICATION DATE Aug-06

ASSEMBLER HEIL TRAILER INSULATED? NO SPECIAL SERVICE N/A VIN 5HTDL493576J21838

LAST DECAL 12/23-VIKPUC ORIGINAL TEST DATE Aug-06 DESIGN PRESSURE 30 PSI TEST PRESSURE 45 PSI

MAWP 30 PSI MDIN NOT SHOWN FUSIBLE VENTING YES ☐ NO ☒ NO. OF VENTS 0

PRESSURE RELIEF VENTING SET PRESSURE 36 PSI FLOW 431,308 SCFH NO. OF VALVES 2

VACUUM RELIEF VENTING SET PRESSURE 10 HG FLOW 12,000 SCFH NO. OF VALVES 1

HEAD MATERIAL 5454-0 HEAD THICKNESS / MIN. REQ. 0.375" / 0.329" SHELL MATERIAL 5454-H32 SHELL THICKNESS / MIN. REQ. 0.250" / 0.235"

WELD MATERIAL 5356 COATING/LINING NAME TNE MEC 66 LOADING LIMITS GALLONS PER MINUTE 600 AT 30.0 PSI

MAXIMUM PRODUCT LOAD 75500 LBS MAXIMUM LADING DENSITY 1.00 LB/USG UNLOADING LIMITS GALLONS PER MINUTE 600 AT 30.0 PSI/VAC

NORMAL TANK CAPACITY BY COMPARTMENT				MAX. TEMP.	
FRONT TO REAR IN LITRES				-20 °F TO 180 °F	
COMP.	1	12200	2	HEATING SYSTEM	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> X <input type="checkbox"/>
	3		4	DESIGN PRESS.	N/A KPA
	5		6	DESIGN TEMP.	N/A °C
	7			LAST PRODUCT	PURGED TANK SHELL
TOTAL CAPACITY 12200 USG				ODOMETER	TRAILER KM / MILES

ITEM NO.	ITEMS INSPECTED	N/A	PASS	FAIL	SEE DEFECTS OR REMARKS
1	INSPECT FOR CORRODED OR ABRADED AREAS ON TANK SHELL AND BULKHEADS - SPECIAL EMPHASIS ON UPPER COUPLER AND REAR SUSPENSION FRAME MOUNTING.		X		
2	INSPECT ENTIRE TANK SURFACE FOR DENTS, DIGS, GOUGES, AND SCRAPES, ESPECIALLY THOSE ON WELD SEAMS. LOOK FOR AREAS OF WETNESS, INDICATING POSSIBLE LEAKS.		X		
3	INSPECT ENTIRE TANK SHELL FOR EXISTING OVERLAY PATCH REPAIRS.		X		
4	INSPECT ALL WELDS FOR DEFECTS, UNDER CUTS, NICKS, DENTS, COLD LAP, AND MIS-ALIGNMENT.		X		
5	INSPECT ENTIRE TANK, INCLUDING CROSS-MEMBERS, OUTRIGGER FRAMES, RE-PADS, AND GUSSETS, FOR CRACKS.		X		
6	CHECK ANY PREVIOUSLY REPAIRED AREAS FOR PROPER REPAIR PROCEDURES AND GOOD WELDING PRACTICES.	X			
7	INSPECT ALL PIPING, VALVES, AND ATTACHMENTS, INCLUDING GASKETS. CHECK FOR LEAKAGE RESIDUE AND AREAS OF WEAKNESS.		X		1
8	CHECK DEVICES FOR TIGHTENING, MANHOLE COVERS OPERATIVE, COVERS LEAK PROOF, CHECK FOR WARPAGE, CORROSION, AND GASKET SEAL SURFACES.		X		

EXTERNAL INSPECTION REPORT (CONT)

ITEM NO.	ITEMS INSPECTED	N/A	PASS	FAIL	SEE DEFECTS OR REMARKS
9	CHECK EMERGENCY DEVICES, REMOTE SHUT OFF, SELF-CLOSING STOP VALVES, AND FUSIBLE LINKS. CHECK THAT THEY ARE IN PLACE AS REQUIRED BY TANK SPECIFICATIONS AND THEY ARE FREE FROM CORROSION, DISTORTION, OR ANY OTHER DAMAGE THAT WOULD PREVENT NORMAL OPERATION.		X		
10	INSPECT THAT ALL PRESSURE AND VACUUM RELIEF DEVICES ARE IN PLACE AND CORRECT AS PER TANK SPEC PLATE AND TANK SPECIFICATION. CHECK FOR CORROSION OR DAMAGE THAT MIGHT PREVENT THEIR SAFE OPERATION. REMOVE AND BENCH TEST IF APPEARANCE IS SUSPICIOUS.		X		
11	ON MULTI-COMPARTMENT TANKS, CHECK THAT ALL DOUBLE BULKHEAD DRAINS ARE UNPLUGGED. LOOK FOR WETNESS INDICATING POSSIBLE INTERNAL TANK WALL LEAKS.	X			
12	CHECK ALL BOLTED ATTACHMENTS AND MOUNTINGS FOR LOOSE OR MISSING BOLTS AND BROKEN HOLD-DOWN SPRINGS.		X		
13	INSPECT ALL ACCIDENT DAMAGE PROTECTION DEVICES SUCH AS ROLLOVER DEVICES, PLUMBING GUARDS, AND REAR BUMPERS. CHECK THAT THEY ARE UNDAMAGED AND EFFECTIVE.		X		
14	ON INSULATED TANKS, CHECK OUTER SKIN FOR GENERAL GOOD CONDITION. LOOK FOR CRACKS, MISSING RIVETS, TEARING OR LOOSE SHEETS, AND AREAS OF WETNESS THAT MAY INDICATE TANK LEAKAGE.	X			
15	INSPECT THAT ALL REQUIRED MARKING, INCLUDING DATA PLATE, ARE LEGIBLE.		X		
16	TANK MARKING MONTH AND YEAR, AND SERVICE SYMBOL (V) AFTER DEFECTS ARE CORRECTED.		X		
17	CHECK GASKETS ON ANY FULL OPENING REAR HEAD FOR CUTS, CRACKS, OR SPLITS, THAT ARE LIKELY TO CAUSE LEAKAGE.	X			
18	CHECK ATTACHED OR ACCOMPANYING HOSES, IF ANY, FOR MARKINGS, DEFECTS, AND TAGS. SEE ATTACHED HOSE INSPECTION/TEST REPORT.		X		

REMARKS:

EXTERNAL VISUAL INSPECTION CONDUCTED AS PER 7.2.1

LOCATION OF DEFECTS FOUND:

1) MANWAYS SHOWS SIGNS OF LEAKAGE

LIST ALL CORRECTIVE ACTIONS AND SUBSEQUENT RE-TESTS:

1) ADJUSTED AND CLEANED MANLIDS, GASKETS AND MATING SURFACE
TESTED GOOD - SEE LEAKAGE TEST

RETURNED TO SERVICE PENDING RESULTS OF LEAKAGE TESTING TO FOLLOW.
PLEASE SEE REPORT COPY ATTACHED.

TANK MARKED WITH MONTH / YEAR SERVICE SYMBOL "V" IF PASSED:

YES



NO



TANK DISPOSITION:

NEW CONSTRUCTION



RETURNED TO SERVICE



CONDEMNED

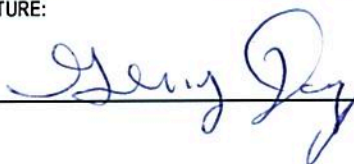


NAME OF PERSON PERFORMING INSPECTION:

PRINT NAME:

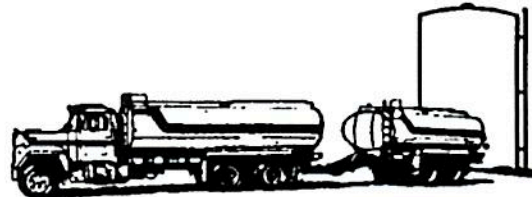
GERRY DAY

SIGNATURE:



DATE:

14-Nov-24



REG. NO. 25-0176

LEAKAGE TEST REPORT

CSA B620 7.2.5

THIS FORM MUST BE ATTACHED TO EXTERNAL REPORT.

WORKORDER NUMBER 39952

EXTERNAL INSPECTION MUST DEEM TANK IS SAFE TO PERFORM LEAKAGE TEST.

UNIT NUMBER: T130

MANUFACTURER: HEIL TRAILER	SPECIFICATION: TC407	SERIAL NUMBER: 21838
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MAWP: 30 PSI	DETERMINED TEST PRESS: 24 PSI	TEST MEDIUM: COMPRESSED AIR
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ITEM NO.	ITEMS CHECKED	N/A	PASS	FAIL	SEE DEFECTS OR REMARKS
1	WITH TANK IN LEVEL POSITION, OUTLET VALVE(S) CLOSED, DISCHARGE VALVE(S) OPEN, TOP VENT REMOVED, PRESSURE RELIEF VALVES REMOVED, AND OPENINGS PLUGGED, BEGIN TO FILL TANK WITH TEST MEDIUM. TO REACH TEST PRESSURE AT 80% MAWP. CHECK SURFACE, WELDS, MANWAY COVERS FOR ANY LEAKAGE.		X		
2	ON MULTI-COMPARTMENT TANKS, CHECK VOID SPACE DRAINS ARE UNPLUGGED AND NOT LEAKING (COMPARTMENTS TO BE TESTED INDIVIDUALLY).	X			
3	CHECK FOR ANY LEAKING FROM OPEN DISCHARGE VALVE THAT WOULD INDICATE FAILURE OF OUTLET VALVE.		X		
4	CLOSE DISCHARGE VALVE, OPEN OUTLET VALVE, ADD TEST MEDIUM TO REACH TEST PRESSURE. CHECK ALL VALVES AND PIPING FOR LEAKS.		X		
5	TEST TIME: 15 MINUTES (5 MINUTES MINIMUM)		X		
6	IF TANK IS INSULATED, TANK HOLDS PRESSURE WHEN ISOLATED FROM PRESSURE SUPPLY WITH ZERO PRESSURE DROP FOR AT LEAST 10 MINUTES. MONITOR CLADDING AT TANK BOTTOM FOR LEAKS.	X			

ALL PRESSURE AND VACUUM RELIEF DEVICES REMOVED, CLEANED, AND BENCH TESTED. CHECKED FOR COMPLIANCE.

YES ☒ NO ☐ SEE REMARKS ☐

REMARKS:

LEAKAGE TEST CONDUCTED AT 80% MAWP AS PER 7.2.5

REMOVED AND BENCH TESTED: 2 P.R.D. TYPE: GIRARD PRESSURE VENT VALVES

SET TO DISCHARGE AT: 36 PSI OPENED AT: 36 PSI RESEATED AT: 36 PSI
 REINSTALLED 2 REPAIRED ☐ REPLACED ☐

LOCATION OF DEFECTS FOUND:

NONE FOUND DURING 7.2.5 TESTING PROCEDURES

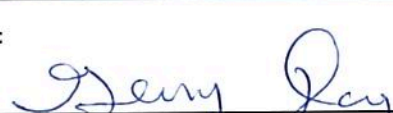
LIST ALL CORRECTIVE ACTIONS AND SUBSEQUENT RE-TESTS:

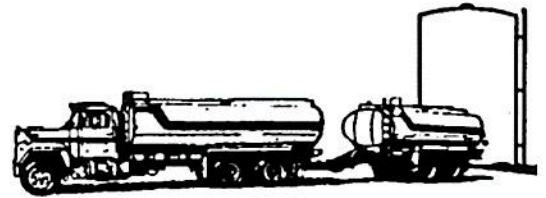
NONE REQUIRED AT THIS TIME

TANK MARKED WITH MONTH / YEAR SERVICE SYMBOL "K" IF PASSED: YES ☒ NO ☐

TANK DISPOSITION: NEW CONSTRUCTION ☐ RETURNED TO SERVICE ☒ CONDEMNED ☐

NAME OF PERSON PERFORMING TEST:

PRINT NAME: GERRY DAY	SIGNATURE: 	DATE: 14-Nov-24
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REG. NO. 25-0176

HOSE ASSEMBLY INSPECTION & TEST REPORT

CSA B620 7.2.10.

THIS FORM MUST BE ATTACHED TO EXTERNAL REPORT.

UNIT NO: T130

WORKORDER NUMBER

39952

THIS INSPECTION IS CONDUCTED ANNUALLY ON ANY HOSE ASSEMBLY CONNECTED TO THE TANK OR TANK ACCESSORY.

TANK MANUFACTURER:	HEIL TRAILER	SERIAL NUMBER:	21838
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ITEM NO.	PROCEDURE / ITEMS CHECKED FOR ALL HOSES
1	INSPECT ALL HOSE FOR HOSE COVER DAMAGE THAT EXPOSES REINFORCING MATERIAL.
2	INSPECT ALL HOSES FOR KINKS, FLAT SPOTS, OR DEFORMED BRAID.
3	INSPECT ALL HOSES FOR SOFT SPOTS, BULGING, OR LOOSE COVERING
4	INSPECT ALL HOSES FOR DAMAGED, SLIPPING, OR WORN HOSE FITTINGS OR COUPLINGS
5	INSPECT ALL HOSE FOR LOOSE OR MISSING BOLTS OR CLAMPS ON FITTINGS.
6	CHECK ALL HOSES TO SEE IF IDENTIFICATION NUMBER OR SERIAL NUMBER IS LEGIBLE.
7	CHECK ALL HOSES READABILITY OF HOSE ASSEMBLY WORKING PRESSURE (H.A.W.P.) STAMP.

**** DAMAGED HOSE ASSEMBLIES MUST BE REPAIRED, OR REPLACED, BEFORE TEST PROCEDURES ARE IMPLEMENTED. ****

8	USING ELEVATED HOSE JIG, FILL HOSE ASSEMBLY WITH WATER. INSTALL GAUGE AND VALVE ASSEMBLY. TEST PRESSURES AS PER 7.2.10.5(b)
9	ISOLATE FROM PRESSURE SUPPLY. INSPECT FOR BULGING, LEAKING, OR DISTORTION. 10 MINUTE TEST DURATION.

TEST RESULTS

HOSE	HOSE MANUFACTURER	H.A.W.P.	SERIAL NO. IF APPLICABLE	HOSE DIA.	HOSE LENG.	DELIV ERY	TRAN SFER	CSA CERT.	SUCTI ON	COUPLING OR FITTING TYPE	PASS / FAIL	REASON FOR FAIL	TAGGED Y / N
1	CONTINENTAL	100 PSI		2"	35'		X		X	SS CAMLOC	P		Y
2	CONTINENTAL	150 PSI		4"	59'		X		X	SS CAMLOC	P		Y
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													

REMARKS: HYDRO TEST PRESSURE WAS 120% HAWP. TAG 2 HOSE SECTIONS 11-24-0176

**** NOTE: ANY HOSES FAILING INSPECTION OR TESTING SHOULD BE REMOVED FROM DANGEROUS GOODS SERVICE A.S.A.P.


HOSE ASSEMBLY DISPOSITION: NO. RETURNED TO SERVICE

2

NO. CONDEMNED

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NAME OF PERSON PERFORMING INSPECTION AND TEST:

PRINT NAME: GERRY DAY	SIGNATURE: 	DATE: 14-Nov-24
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