

Pressure Tests - 2AEAPSBM3ER000279 - 2021-11-23

T05-2

Authoring Information

Created By	Richard Lappenbush 7803540004
TC Registration	25-0439 (Expires: 2022-07-01)
Company	Rheton Welding Services Ltd. Box 1423 313 3rd Ave Beaverlodge, AB T0H 0C0
Created	2021-11-24 08:49:15
Updated	2021-11-24 08:54:56

Client

Company	Fluid Pro Oilfield Services Ltd. 8821 102 Street Clairmont, AB T0H 0W0
Contact	780-533-3338

Tank Data

Ser. No.	2AEAPSBM3ER000279
Unit Number	T-320
TC Spec.	TC 407
Service Type	Corrosive Service
Date of mfr.	2014-04-00
Cert. date	2014-04-00
VIN	2AEAPSBM3ER000279
Tank mfr.	Advance Engineered
Assembler	Advance Engineered
TCRN or CRN	25-026
MDIN	10433
CTMV Orig. Test Date	2014-04-00
CTMV Cert Date	2014-04-00
Mfd. head thick	9.52
Min. head thick	7.
Mfd. shell thick	6.35
Min. shell thick	5.37

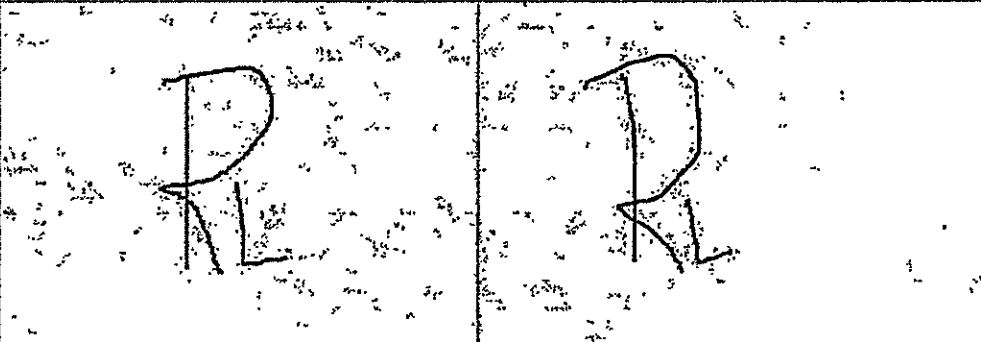
Pressure Test

Inspection Date	2021-11-23		
Inspection Expiry Date	2026-11-30		
Test Medium	Water		
No. of Compartments	1		
Compartment 1	Start (psi)	End (psi)	Hold Time
	30	30	20

Test Results	When venting devices are removed, they are bench tested and meet the requirements for the tank Pass
	Product piping with all valves and accessories in place and operative must be pressure tested at not less than 80% MAWP Pass
	When removed from the pressure supply, the test pressure is retained for the specified time for the pneumatic or hydrostatic test Pass
	Inspect the entire area of the head, shell and welds for leaks or deformation. If defects found note the location on the report Pass
Defects	Hoses/Other pressure gauge on side of tank replaced

PRV List						
Type of PRV	Manufacturer	PRV Criteria	Discharge Pressure	Opening Pressure	Reseating Pressure	Disposition

Tank Disposition	
Current Disposition	Passed / No Defects Found

Approval	
	

Inspector Richard Lappenbush	Tester Richard Lappenbush
--	-------------------------------------

Upper Coupler Inspections - 2AEAPSBM3ER000279 - 2021-11-

23

Authoring Information	
Created By	Richard Lappenbush 7803540004
TC Registration	25-0439 (Expires: 2022-07-01)
Company	Rheton Welding Services Ltd. Box 1423 313 3rd Ave Beaverlodge, AB T0H 0C0
Created	2021-11-24 08:59:43
Updated	2021-11-24 08:59:43

Client	
Company	Fluid Pro Oilfield Services Ltd. 8821 102 Street Clairmont, AB T0H 0W0
Contact	780-533-3338

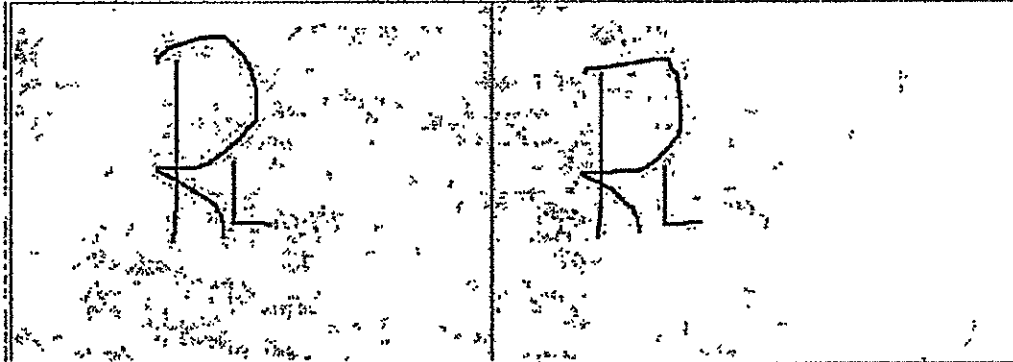
Tank Data	
Ser. No.	2AEAPSBM3ER000279
Unit Number	T-320
TC Spec.	TC 407
Service Type	Corrosive Service
Date of mfr.	2014-04-00
Cert. date	2014-04-00
VIN	2AEAPSBM3ER000279
Tank mfr.	Advance Engineered
Assembler	Advance Engineered
TCRN or CRN	25-026
MDIN	10433
CTMV Orig. Test Date	2014-04-00
CTMV Cert Date	2014-04-00
Mfd. head thick	9.52
Min. head thick	7.
Mfd. shell thick	6.35
Min. shell thick	5.37

Upper Coupler Inspection	
Inspection Date	2021-11-23
Inspection Expiry Date	2026-11-23

Inspection	Corroded or abraded areas
	Pass
	Cracks or defects in welds
	Pass
	Dents or distortions
	Pass
Defects	No defects found.

PRV List						
Type of PRV	Manufacturer	PRV Criteria	Discharge Pressure	Opening Pressure	Reseating Pressure	Disposition
# 1						

Tank Disposition	
Current Disposition	Passed / No Defects Found

Approval	
	

Inspector
Richard Lappenbush

Tester
Richard Lappenbush

Thickness Tests - 2AEAPSBM3ER000279 - 2021-11-23

Authoring Information

Created By	Richard Lappenbush 7803540004
TC Registration	25-0439 (Expires: 2022-07-01)
Company	Rheton Welding Services Ltd. Box 1423 313 3rd Ave Beaverlodge, AB T0H 0C0
Created	2021-11-24 08:57:01
Updated	2021-11-24 08:57:01

Client

Company	Fluid Pro Oilfield Services Ltd. 8821 102 Street Clairmont, AB T0H 0W0
Contact	780-533-3338

Tank Data

Ser. No.	2AEAPSBM3ER000279
Unit Number	T-320
TC Spec.	TC 407
Service Type	Corrosive Service
Date of mfr.	2014-04-00
Cert. date	2014-04-00
VIN	2AEAPSBM3ER000279
Tank mfr.	Advance Engineered
Assembler	Advance Engineered
TCRN or CRN	25-026
MDIN	10433
CTMV Orig. Test Date	2014-04-00
CTMV Cert Date	2014-04-00
Mfd. head thick	9.52
Min. head thick	7.
Mfd. shell thick	6.35
Min. shell thick	5.37

Thickness Test

Inspection Date	2021-11-23
-----------------	------------

Inspection

Visibly corroded or abraded areas are thickness tested

Pass

Area around lading retaining piping

Pass

High stress areas of the shell, such as the bottom of the tank

Pass

Areas around openings, weld joints, shell reinforcements, appurtenance attachment points

Pass

Near the upper coupler, suspension attachments and connecting structures

Pass

Known thin areas in the tank

Pass

Structures adjoining self supporting transport units

Pass

Lowest Measurement

Head: 6.2 mm

Shell: 6.3 mm

Baffle: 3.25 mm

Defects

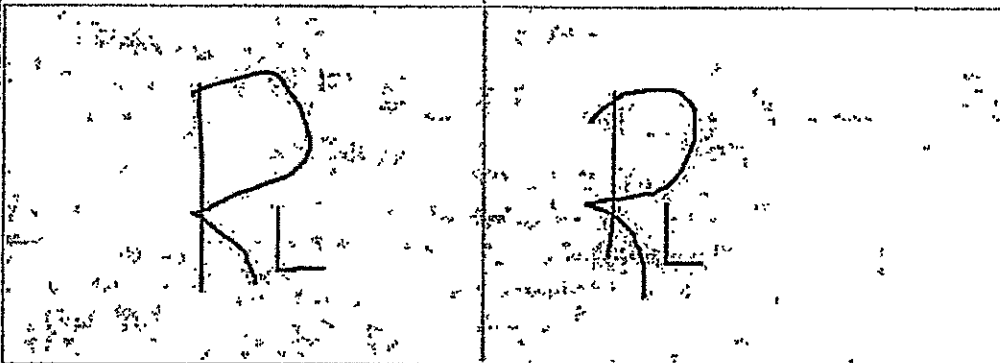
No defects found.

PRV List

Type of PRV	Manufacturer	PRV Criteria	Discharge Pressure	Opening Pressure	Reseating Pressure	Disposition
# 1						

Tank Disposition

Current Disposition Passed / No Defects Found

Approval**Inspector**

Richard Lappenbush

Tester

Richard Lappenbush

Leakage Tests (2AEAPSBM3ER000279)

Created By: *Richard Lappenbush*

Tel: 7803540004
TC Registration: 25-0439 (Expires: 2027-08-01)

Facility

Rheton Welding Services Ltd.
Box 1423
Beaverlodge, AB, T0H 0C0

Client

Fluid Pro Oilfield Services Ltd,
8821 102 Street
Clairmont, AB, T0H 0W0
Ph. No. - 780-533-3338

Tank

Ser. No.	2AEAPSBM3ER000279	Unit Number	T-320
TC Spec.	TC 407	Service Type	Corrosive Service
Date of mfr.	2014-04-00	Cert. date	2014-04-00
VIN	2AEAPSBM3ER000279	Tank mfr.	Advance Engineered
Assembler	Advance Engineered	TCRN or CRN	25-026
MDIN	10433	CTMV Orig. Test Date	2014-04-00
CTMV Cert Date	2014-04-00	Mfd. head thick	9.52
Min. head thick	7.	Mfd. shell thick	6.35
Min. shell thick	5.37		

Leakage Test

Inspection Date	2025-01-29	Inspection Expiry Date	2026-01-31
Test Medium	Water	No. of Compartments	1

Compartment #	Start (psi)	End (psi)	Hold Time (min)	Capacity
1	20	20	20	32000 L

Venting devices hold pressure as required, if removed they are bench tested and hold pressure as required
Pass

Product piping and valves hold pressure without leakage
Pass

Manways and closures inspected for leaks or deformation
Pass

Flanged connections checked for leakage
Pass

Inspect the entire area of the head, shell and welds for leaks or deformation including voids and adjacent compartments
Pass

Test pressure maintained for minimum of 5 minutes
Pass

All leaks are repaired before the tank is marked
Pass

Inspect head shell

Defects

No defects found.

Tank Disposition

Current Disposition	Passed / No Defects Found
---------------------	---------------------------

Approval

RL

RL

Inspector
Signed by Richard Lappenbush

Tester
Signed by Richard Lappenbush

Service provided by **eStandardSolutions**

Internal Visual Inspections - 2AEAPSBM3ER000279 - 2021-11-

23

Authoring Information	
Created By	Richard Lappenbush 7803640004
TC Registration	25-0439 (Expires: 2022-07-01)
Company	Rheton Welding Services Ltd. Box 1423 313 3rd Ave Beaverlodge, AB T0H 0C0
Created	2021-11-24 08:43:55
Updated	2021-11-24 08:43:55

Client	
Company	Fluid Pro Oilfield Services Ltd. 8821 102 Street Clairmont, AB T0H 0W0
Contact	780-533-3338

Tank Data	
Ser. No.	2AEAPSBM3ER000279
Unit Number	T-320
TC Spec.	TC 407
Service Type	Corrosive Service
Date of mfr.	2014-04-00
Cert. date	2014-04-00
VIN	2AEAPSBM3ER000279
Tank mfr.	Advance Engineered
Assembler	Advance Engineered
TCRN or CRN	25-026
MDIN	10433
CTMV Orig. Test Date	2014-04-00
CTMV Cert Date	2014-04-00
Mfd. head thick	9.52
Min. head thick	7.
Mfd. shell thick	6.35
Min. shell thick	5.37

Internal Visual Inspection	
Inspection Date	2021-11-23
Inspection Expiry Date	2026-11-30

Inspection	Lining test completed if lined as per 7.2.2.1(c) Pass
	Enter the tank and inspect for: dents, gouges, cracks, corrosion, abrasions or signs of leakage in the shell or heads including bulkheads as per 7.2.2.1(a) Pass
	Inspect piping, valves and gaskets for damage as per 7.2.2.1(a) Pass
	Inspect every weld for cracks, defects or signs of leakage as per 7.2.2.1(b) Pass
	Corroded areas are thickness tested if found as per 7.2.2.1(d) Pass
Defects	No defects found.

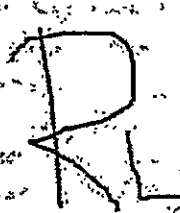
PRV List

Type of PRV	Manufacturer	PRV Criteria	Discharge Pressure	Opening Pressure	Reseating Pressure	Disposition
-------------	--------------	--------------	--------------------	------------------	--------------------	-------------

Tank Disposition

Current Disposition Passed / No Defects Found

Approval

	
---	---

Inspector

Richard Lappenbush

Tester

Richard Lappenbush

External Visual Inspections (2AEAPSBM3ER000279)

Created By: Richard Lappenbush

Tel: 7803540004
TC Registration: 25-0439 (Expires: 2027-08-01)

Facility

Rheton Welding Services Ltd.
Box 1423
Beaverlodge, AB, T0H 0C0

Client

Fluid Pro Oilfield Services Ltd.
8821 102 Street
Clairmont, AB, T0H 0W0
Ph. No. - 780-533-3338

Tank

Ser. No.	2AEAPSBM3ER000279	Unit Number	T-320
TC Spec.	TC 407	Service Type	Corrosive Service
Date of mfr.	2014-04-00	Cert. date	2014-04-00
VIN	2AEAPSBM3ER000279	Tank mfr.	Advance Engineered
Assembler	Advance Engineered	TCRN or CRN	25-026
MDIN	10433	CTMV Orig. Test Date	2014-04-00
CTMV Cert Date	2014-04-00	Mfd. head thick	9.52
Min. head thick	7.	Mfd. shell thick	6.35
Min. shell thick	5.37		

External Visual Inspection

Inspection Date	2025-01-29	Inspection Expiry Date	2026-01-31
Manway Pressure	47 psi		

Inspection

Inspect jacketing for dents, digs, scrapes, gouges, perforations, stains, or other defects or signs of damage to the inner vessel or any other condition that might make it unsafe as per 7.2.1(a)
Not Applicable

Inspect the entire area of head and shell for dents, gouges, bulges, corrosion, abrasion, cracks, or signs of leakage or other conditions that might render it unsafe for transport as per 7.2.1(a)
Pass

Inspect the entire length of every weld for cracks, defects or signs of leakage as per 7.2.1(a)
Pass

Ensure devices for tightening manhole covers are operative and covers are leak tight as per 7.2.1(b)
Pass

Check all valves, vents, emergency devices and remote closures for corrosion, distortion, cracks, signs of weakness and loose or missing fasteners as per 7.2.1(c)
Pass

Ensure all required markings are legible including manway, PRV, couplings, valves and specification plate as per 7.2.1(e)
Pass

Inspect supporting structures, pads, bolsters, tie-downs and protective devices for dents, distortion, cracks, signs of weakness and loose or missing fasteners as per 7.2.1(f)
Pass

Ensure accompanying or mounted hoses comply with inspection and marking requirements as per 7.2.10.4 and 7.2.10.6
Pass

Check to ensure voids are unplugged and show no signs of leakage as per 7.2.1.2
Pass

Corroded or abraded areas are thickness tested as per 7.2.1.3
Pass

All pressure relief devices are inspected for corrosion or damage as per 7.2.1.4
Pass

If lading is corrosive to PRV: re-closing pressure relief valves are replaced or tested as per 7.2.1.4(b)
Pass

Gaskets on full opening rear head is inspected and replaced if cut, cracked or split as per 7.2.1.5
Not Applicable

Internal self closing valve and off truck emergency shut down system tested as per 7.2.1.6
Not Applicable

Ensure that all bolts or nuts on any flanged connection or blank flange are in place and properly tightened
Pass

Defects

No defects found.

Tank Disposition

Current Disposition	Passed / No Defects Found
---------------------	---------------------------

Approval

RL

RL

Inspector
Signed by Richard Lappenbush

Tester
Signed by Richard Lappenbush

Service provided by **eStandardSolutions**