

J20.39

Leakage Tests - 12-9010 - 2023-11-06

Authoring Information

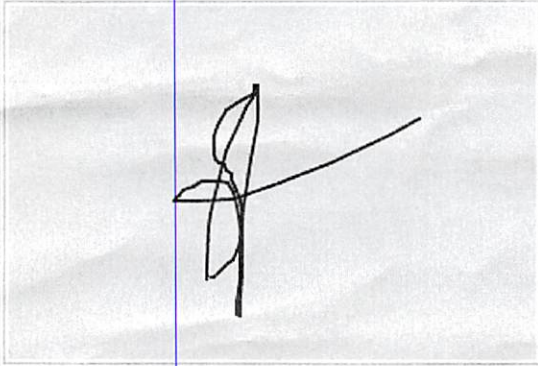
Created By	Shane Arps 17808753459
Facility	Fusion Tank Services 780-875-3459 6007 52nd ave Lloydminster, AB T9V 2S7
Created	2023-11-06 10:13:42
Updated	2023-11-06 10:13:42
Client	
Company	Torq Trucking 2015 Ltd. 1810-250 6Ave SW Calgary, AB T2P3H7
Contact	Torq Trucking Ltd. 7808759693

Tank Data

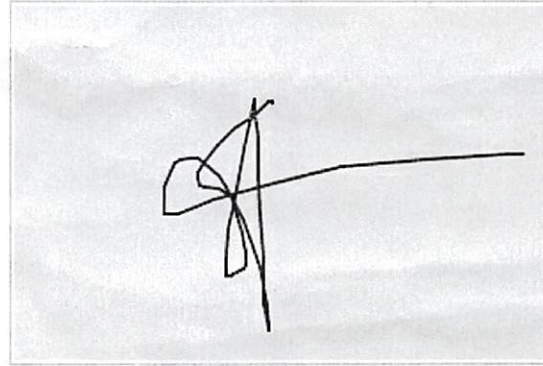
Ser. No.	12-9010
Unit Number	Torq T2045
TC Spec.	TC 406Crude
Date of mfr.	2011-07-01
Cert. date	2011-07-01
VIN	2H9AEBHGXCT002010
Tank mfr.	Hutchinson
Assembler	Hutchinson
MDIN	8932
MAWP	20.7 kPa
Test P.	34.5 kPa
Mfd. head thick	6.35 mm
Min. head thick	4.39 mm
Mfd. shell thick	6.35 (bottom) 4.75 (upper) mm
Min. shell thick	4.39 mm
Exposed Surface	84.5 m2
Cap.	38000 litres
Lining	NONE
Design Temp. Range	-40 C to 100 C
Max. Lading Density	0.85 kg/L
Shell Material	5454-H32
Head Material	5454-H0
Weld Material	5356
Max. Payload	32300 kg
Max. Load Rate	1893 L/m at 20.7 kPa
Max. Unload Rate	1893 L/m at 20.7 kPa
Heating Sys. Press	NONE

Original Test Date	2011-07-01					
Leakage Test						
Inspection Date	2023-11-06					
Inspection Expiry Date	2026-05-06					
Test Medium	Air					
No. of Compartments	1					
Compartment 1	Start (psi)	End (psi)	Hold Time (min)	Capacity		
	2.4	2.4	60	38000		
Test Results	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 Repair Manways and closures inspected for leaks or deformation Repair 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					
Defects	Valves -both front manifold valves (remove/replace) PRVs -#1 Tiona lid leaks before spec (remove/reset) Connections-Piping -vent line extension leaks from camlock (remove/replace gasket)					
PRV List						
Type of PRV	Manufacturer	PRV Criteria	Discharge Pressure	Opening Pressure	Reseating Pressure	Disposition
Tank Disposition						
Current Disposition	Tank Repaired / Re-Tested / Returned to Service					

Approval



Inspector
Shane Arps



Tester
Shane Arps

Service provided by eStandard Solutions.

External Visual Inspections - 12-9010 - 2023-11-06

Authoring Information

Created By	Shane Arps 17808753459
Facility	Fusion Tank Services 780-875-3459 6007 52nd ave Lloydminster, AB T9V 2S7
Created	2023-11-06 10:9:57
Updated	2023-11-06 10:15:32

Client

Company	Torq Trucking 2015 Ltd. 1810-250 6Ave SW Calgary, AB T2P3H7
Contact	Torq Trucking Ltd. 7808759693

Tank Data

Ser. No.	12-9010
Unit Number	Torq T2045
TC Spec.	TC 406Crude
Date of mfr.	2011-07-01
Cert. date	2011-07-01
VIN	2H9AEBHGXCT002010
Tank mfr.	Hutchinson
Assembler	Hutchinson
MDIN	8932
MAWP	20.7 kPa
Test P.	34.5 kPa
Mfd. head thick	6.35 mm
Min. head thick	4.39 mm
Mfd. shell thick	6.35 (bottom) 4.75 (upper) mm
Min. shell thick	4.39 mm
Exposed Surface	84.5 m2
Cap.	38000 litres
Lining	NONE
Design Temp. Range	-40 C to 100 C
Max. Lading Density	0.85 kg/L
Shell Material	5454-H32
Head Material	5454-H0
Weld Material	5356
Max. Payload	32300 kg
Max. Load Rate	1893 L/m at 20.7 kPa
Max. Unload Rate	1893 L/m at 20.7 kPa
Heating Sys. Press	NONE

Original Test Date	2011-07-01
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External Visual Inspection

Inspection Date	2023-11-06
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Inspection Expiry Date	2026-05-06
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Manway Pressure	3.63 psi
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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)

Repair

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)

Repair

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)

Repair

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

Not Applicable

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

Not Applicable

Corroded or abraded areas are thickness tested as per 7.2.1.3

Not Applicable

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

Repair

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

Not Applicable

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

Pass

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

Pass

Defects**Welds-Structure**

-#8 C/S outrigger cracked (repair)

Valves-PRV-Manways

-Tiona vents fail (remove/replace)

Hoses-Other

-Hose hanger bent/seized (remove/replace)

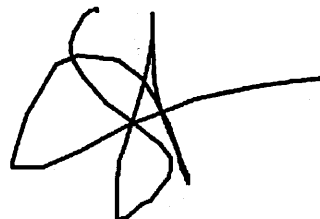
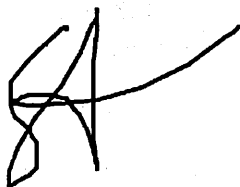
-Float stiff/seized (remove/replace packing rope)

PRV List

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

Current Disposition Tank Repaired / Re-Tested / Returned to Service

Approval

Inspector
Shane Arps

Tester
Shane Arps

Service provided by eStandard Solutions.

3/23/2021

Internal Visual Inspections » eStandard Solutions



Internal Visual Inspections - 12-9010 - 2021-03-23

Authoring Information

Created By Nathan Hannah
 780-875-3459
TC Registration 25-1118 (Expires: 2020-11-01)
Facility Fusion Tank Services
 780-875-3459
 6007 52nd ave
 Lloydminster, AB
 T9V 2S7
Created 2021-03-23 10:09:11
Updated 2021-03-23 10:09:11
Client
Company Larson Management Inc.
 5101-63st
 Lloydminster, AB
 T9V 2E7
Contact 780-205-9243

Tank Data

Ser. No. 12-9010
Unit Number Larson T-52
TC Spec. TC 406Crude
Date of mfr. 2011-07-01
Cert. date 2011-07-01
VIN 2H9AEBHGXT002010
Tank mfr. Hutchinson
Assembler Hutchinson
TCRN or CRN N/A
MDIN 8932
CTMV Orig. Test Date 2011-07-01
CTMV Cert Date 2011-07-01
MAWP 20.7 Kpa
Test P. 34.5 Kpa
Mfd. head thick 6.35 mm
Min. head thick 4.39 mm
Mfd. shell thick 6.35 (bottom) 4.75 (upper) mm
Min. shell thick 4.39 mm
Exposed Surface 84.5 m2
Cap. 38000 litres
Lining N/A
Original Test Date 2011-07-01

Internal Visual Inspection

Inspection Date 2021-03-23
Inspection Expiry Date 2026-03-31

3/23/2021

Internal Visual Inspections » eStandard Solutions

Inspection

Lining test completed if lined as per 7.2.2.1(c)
 Not Applicable

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)
 Repair

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)
 Not Applicable

Defects

Piping
 LOADLINE BRACKETS WEARING THROUGH LOADLINE, 1/2 WAY THROUGH, REMOVED AND REPLACED LOAD LINE WITH NEW.
 FLOAT BEARING BLOWN OUT, REMOVED AND REPLACED WITH NEW.

Tank Disposition

Current Disposition Tank Repaired / Re-Tested / Returned to Service

Approval

Inspector
 Nathan Hannah

Tester
 Nathan Hannah

Service provided by eStandard Solutions.

3/23/2021

Pressure Tests » eStandard Solutions



Pressure Tests - 12-9010 - 2021-03-23

Authoring Information

Created By Nathan Hannah
 780-875-3459
TC Registration 25-1118 (Expires: 2020-11-01)
Facility Fusion Tank Services
 780-875-3459
 6007 52nd ave
 Lloydminster, AB
 T9V 2S7
Created 2021-03-23 10:12:10
Updated 2021-03-23 10:12:10
Client
Company Larson Management Inc.
 5101-63st
 Lloydminster, AB
 T9V 2E7
Contact 780-205-9243

Tank Data

Ser. No. 12-9010
Unit Number Larson T-52
TC Spec. TC 408Crude
Date of mfr. 2011-07-01
Cert. date 2011-07-01
VIN 2H9AEBHGXT002010
Tank mfr. Hutchinson
Assembler Hutchinson
TCRN or CRN N/A
MDIN 8932
CTMV Orig. Test Date 2011-07-01
CTMV Cert Date 2011-07-01
MAWP 20.7 Kpa
Test P. 34.5 Kpa
Mfd. head thick 6.35 mm
Min. head thick 4.39 mm
Mfd. shell thick 6.35 (bottom) 4.75 (upper) mm
Min. shell thick 4.39 mm
Exposed Surface 84.5 m2
Cap. 38000 litres
Lining N/A
Original Test Date 2011-07-01

Pressure Test

Inspection Date 2021-03-23
Inspection Expiry Date 2026-03-31

3/23/2021

Pressure Tests » eStandard Solutions

PRV set to discharge P 3.63 psi

Test Medium Air
No. of Compartments 1

Compartment 1	Start (psi)	End (psi)	Hold Time
	34.5KPA	34.5KPA	60

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 No defects found.

Tank Disposition

Current Disposition Passed / No Defects Found

Approval

Inspector
 Nathan Hannah

Tester
 Nathan Hannah

Service provided by eStandard Solutions.



Upper Coupler Inspections - 12-9010 - 2021-03-23

Authoring Information

Created By Nathan Hannah

780-875-3459

TC Registration 25-1118 (Expires: 2020-11-01)

Facility Fusion Tank Services

780-875-3459

6007 52nd ave

Lloydminster, AB

T9V 2S7

Created 2021-03-23 10:13:55

Updated 2021-03-23 10:13:55

Client

Company Larson Management Inc.

5101-63st

Lloydminster, AB

T9V 2E7

Contact 780-205-9243

Tank Data

Ser. No. 12-9010

Unit Number Larson T-52

TC Spec. TC 406Crude

Date of mfr. 2011-07-01

Cert. date 2011-07-01

VIN 2H9AEBHGXT002010

Tank mfr.

Hutchinson

Assembler Hutchinson

TCRN or CRN N/A

MDIN 8932

CTMW Orig. Test 2011-07-01

Date

CTMW Cert Date 2011-07-01

MAWP 20.7 Kpa

Test P. 34.5 Kpa

Mfd. head thick 6.35 mm

Min. head thick 4.39 mm

Mfd. shell thick 6.35 (bottom) 4.75 (upper) mm

Min. shell thick 4.39 mm

Exposed Surface 84.5 m2

Cap. 38000 litres

Lining N/A

Original Test Date 2011-07-01

Upper Coupler Inspection

Inspection Date 2021-03-23

Inspection Expiry 2026-03-31

Date

Inspection

Corroded or abraded areas
Pass

Cracks or defects in welds
Pass

Pass

Dents or distortions
Pass

Pass

No defects found.

Defects

Tank Disposition

Current Disposition Passed / No Defects Found

Approval

Inspector

Nathan Hannah

Tester

Nathan Hannah

Service provided by eStandard Solutions.