

# Internal Visual Inspections - 2WWT A31E2NR000018

## - 2023-12-09

### Authoring Information

**Created By** Kevin Jamieson  
7804649612

**Facility** **A.R.S. Trucking & Welding Ltd.**  
780-464-9612  
10-40 Challenger Crescent  
Sherwood Park, AB  
T8H 2J6

**Created** 2023-12-09 10:30:14

**Updated** 2023-12-09 10:30:14

### Client

**Company** **ARS TRUCKING & WELDING LTD**  
10-40 CHALLENGER CRES  
SHERWOOD PARK, AB  
T8H 2J6

**Contact** 780-464-9612

### Tank Data

**Ser. No.** 2WWT A31E2NR000018

**Unit Number** FL106

**TC Spec.** TC/MC 306

**Date of mfr.** 1992/02

**Cert. date** 1992/02

**VIN** 2WWT A31E2NR000018

**Tank mfr.** WESTANK WILLOCK

**Assembler** WESTANK WILLOCK

**CTMV Orig. Test Date** 1992/02

**CTMV Cert Date** 1992/02

**MAWP** 21 kPa

**Test P.** 21

**Design Temp. Range** 49 C to C

**Max. Lading Density** 8.38 kg/L

**Shell Material** 5454 H32

**Head Material** 5454-0

**Weld Material** 5356

**Max. Payload** 29749 kg

**Original Test Date** 1992/02

### Internal Visual Inspection

**Inspection Date** 2023-12-09**Inspection Expiry Date** 2028-12-08**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)

Not Applicable

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**

Kevin Jamieson

**Tester**

Kevin jamieson

# Pressure Tests - 2WWTA31E2NR000018 - 2023-12-09

## Authoring Information

**Created By** Kevin Jamieson  
7804649612

**Facility** A.R.S. Trucking & Welding Ltd.  
780-464-9612  
10-40 Challenger Crescent  
Sherwood Park, AB  
T8H 2J6

**Created** 2023-12-09 10:33:53

**Updated** 2023-12-09 10:33:53

**Client**

**Company** ARS TRUCKING & WELDING LTD  
10-40 CHALLENGER CRES  
SHERWOOD PARK, AB  
T8H 2J6

**Contact** 780-464-9612

## Tank Data

**Ser. No.** 2WWTA31E2NR000018

**Unit Number** FL106

**TC Spec.** TC/MC 306

**Date of mfr.** 1992/02

**Cert. date** 1992/02

**VIN** 2WWTA31E2NR000018

**Tank mfr.** WESTANK WILLOCK

**Assembler** WESTANK WILLOCK

**CTMV Orig. Test Date** 1992/02

**CTMV Cert Date** 1992/02

**MAWP** 21 kPa

**Test P.** 21

**Design Temp. Range** 49 C to C

**Max. Lading Density** 8.38 kg/L

**Shell Material** 5454 H32

**Head Material** 5454-0

**Weld Material** 5356

**Max. Payload** 29749 kg

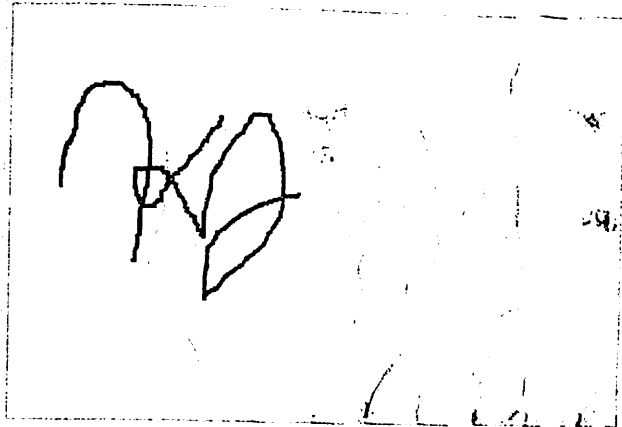
**Original Test Date** 1992/02

## Pressure Test

**Inspection Date** 2023-12-09

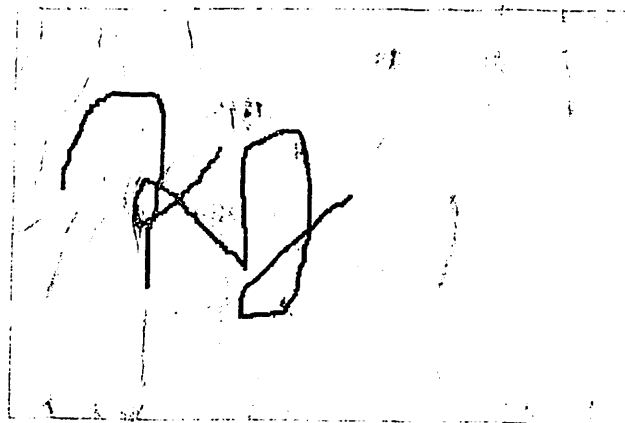
Inspection Expiry Date	2028-12-09					
Test Medium	Air					
No. of Compartments	3					
Compartment 1	Start (psi)	End (psi)			Hold Time	
	5	5			10	
Compartment 2	Start (psi)	End (psi)			Hold Time	
	5	5			10	
Compartment 3	Start (psi)	End (psi)			Hold Time	
	5	5			10	
Test Results	<p>When venting devices are removed, they are bench tested and meet the requirements for the tank</p> <p>Pass</p> <p>Product piping with all valves and accessories in place and operative must be pressure tested at not less than 80% MAWP</p> <p>Pass</p> <p>When removed from the pressure supply, the test pressure is retained for the specified time for the pneumatic or hydrostatic test</p> <p>Pass</p> <p>Inspect the entire area of the head, shell and welds for leaks or deformation. If defects found note the location on the report</p> <p>Pass</p>					
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**

Kevin Jamieson



**Tester**

Kevin Jamieson

Service provided by eStandard Solutions.

# Upper Coupler Inspections - 2WWTA31E2NR000018

## - 2023-12-08

### Authoring Information

**Created By** Kevin Jamieson  
7804649612

**Facility** **A.R.S. Trucking & Welding Ltd.**  
780-464-9612  
10-40 Challenger Crescent  
Sherwood Park, AB  
T8H 2J6

**Created** 2023-12-09 10:36:2

**Updated** 2023-12-09 10:36:2

### Client

**Company** **ARS TRUCKING & WELDING LTD**  
10-40 CHALLENGER CRES  
SHERWOOD PARK, AB  
T8H 2J6

**Contact** 780-464-9612

### Tank Data

**Ser. No.** 2WWTA31E2NR000018

**Unit Number** FL106

**TC Spec.** TC/MC 306

**Date of mfr.** 1992/02

**Cert. date** 1992/02

**VIN** 2WWTA31E2NR000018

**Tank mfr.** WESTANK WILLOCK

**Assembler** WESTANK WILLOCK

**CTMV Orig. Test Date** 1992/02

**CTMV Cert Date** 1992/02

**MAWP** 21 kPa

**Test P.** 21

**Design Temp. Range** 49 C to C

**Max. Lading Density** 8.38 kg/L

**Shell Material** 5454 H32

**Head Material** 5454-0

**Weld Material** 5356

**Max. Payload** 29749 kg

**Original Test Date** 1992/02

### Upper Coupler Inspection

**Inspection Date** 2023-12-08  
**Inspection Expiry Date** 2028-12-09  
**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**  
Kevin Jamieson

**Tester**  
Kevin jamieson

# Internal Visual Inspections - 2WWTA27C4NR000019

- 2023-12-09

1047-2

## Authoring Information

**Created By** Kevin Jamieson  
7804649612

**Facility** A.R.S. Trucking & Welding Ltd.  
780-464-9612  
10-40 Challenger Crescent  
Sherwood Park, AB  
T8H 2J6

**Created** 2023-12-09 11:23:37

**Updated** 2023-12-09 11:23:37

**Client**

**Company** ARS TRUCKING & WELDING LTD  
10-40 CHALLENGER CRES  
SHERWOOD PARK, AB  
T8H 2J6

**Contact** 780-464-9612

## Tank Data

**Ser. No.** 2WWTA27C4NR000019

**Unit Number** FP106

**TC Spec.** TC/MC 306

**Date of mfr.** 1992/02

**Cert. date** 1992/02

**VIN** 2WWTA27C4NR000019

**Tank mfr.** WESTANK WILLOCK

**Assembler** WESTANK WILLOCK

**CTMV Orig. Test Date** 1992/02

**CTMV Cert Date** 1992/02

**MAWP** 21 kPa

**Test P.** 21

**Cap.** 28000 litres

**Design Temp. Range** 49 C to C

**Max. Lading Density** 8.38 kg/L

**Shell Material** 5454 H32

**Head Material** 5454-0

**Weld Material** 5356

**Max. Payload** 23464 kg

**Original Test Date** 1992/02



**Internal Visual Inspection**

**Inspection Date** 2023-12-09

**Inspection Expiry Date** 2028-12-09

**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.

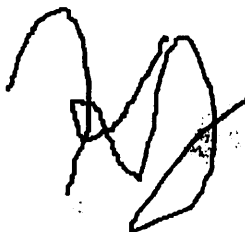
**PRV List**

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

**Tank Disposition**

**Current Disposition** Passed / No Defects Found

**Approval**



**Inspector**  
Kevin Jamieson

**Tester**  
Kevin jamieson

# Pressure Tests - 2WWTA27C4NR000019 - 2023-12-09

## Authoring Information

**Created By** Kevin Jamieson  
7804649612

**Facility** **A.R.S. Trucking & Welding Ltd.**  
780-464-9612  
10-40 Challenger Crescent  
Sherwood Park, AB  
T8H 2J6

**Created** 2023-12-09 11:26:24

**Updated** 2023-12-09 11:26:24

## Client

**Company** **ARS TRUCKING & WELDING LTD**  
10-40 CHALLENGER CRES  
SHERWOOD PARK, AB  
T8H 2J6

**Contact** 780-464-9612

## Tank Data

**Ser. No.** 2WWTA27C4NR000019

**Unit Number** FP106

**TC Spec.** TC/MC 306

**Date of mfr.** 1992/02

**Cert. date** 1992/02

**VIN** 2WWTA27C4NR000019

**Tank mfr.** WESTANK WILLOCK

**Assembler** WESTANK WILLOCK

**CTMV Orig. Test Date** 1992/02

**CTMV Cert Date** 1992/02

**MAWP** 21 kPa

**Test P.** 21

**Cap.** 28000 litres

**Design Temp. Range** 49 C to C

**Max. Lading Density** 8.38 kg/L

**Shell Material** 5454 H32

**Head Material** 5454-0

**Weld Material** 5356

**Max. Payload** 23464 kg

**Original Test Date** 1992/02

## Pressure Test

**AM**  
**ection** Date  
**ection** Expiry Date  
**Medium**  
**of Compartments**  
**partment 1**  
**partment 2**  
**est Results**

2023-12-09

2028-12-09

Air

2

Start (psi)

5

End (psi)

5

Hold Time

5

Start (psi)

5

End (psi)

5

Hold Time

5

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

No defects found.

Defects

PRV List

Type of PRV

Tank Disposition

Current Disposition

Manufacturer	PRV Criteria	Discharge Pressure	Opening Pressure	Reseating Pressure	Disposition
Passed / No Defects Found					

 Approval



**Inspector**  
Kevin Jamieson

**Tester**  
Kevin jamieson

Service provided by eStandard Solutions.

# Upper Coupler Inspections -

## 2WWTA27C4NR000019 - 2023-12-09

### Authoring Information

<b>Created By</b>	Kevin Jamieson 7804649612
<b>Facility</b>	A.R.S. Trucking & Welding Ltd. 780-464-9612 10-40 Challenger Crescent Sherwood Park, AB T8H 2J6
<b>Created</b>	2023-12-09 11:28:8
<b>Updated</b>	2023-12-09 11:28:8
<b>Client</b>	
<b>Company</b>	ARS TRUCKING & WELDING LTD 10-40 CHALLENGER CRES SHERWOOD PARK, AB T8H 2J6
<b>Contact</b>	780-464-9612

### Tank Data

<b>Ser. No.</b>	2WWTA27C4NR000019
<b>Unit Number</b>	FP106
<b>TC Spec.</b>	TC/MC 306
<b>Date of mfr.</b>	1992/02
<b>Cert. date</b>	1992/02
<b>VIN</b>	2WWTA27C4NR000019
<b>Tank mfr.</b>	WESTANK WILLOCK
<b>Assembler</b>	WESTANK WILLOCK
<b>CTMV Orig. Test Date</b>	1992/02
<b>CTMV Cert Date</b>	1992/02
<b>MAWP</b>	21 kPa
<b>Test P.</b>	21
<b>Cap.</b>	28000 litres
<b>Design Temp. Range</b>	49 C to C
<b>Max. Lading Density</b>	8.38 kg/L
<b>Shell Material</b>	5454 H32
<b>Head Material</b>	5454-0
<b>Weld Material</b>	5356
<b>Max. Payload</b>	23464 kg
<b>Original Test Date</b>	1992/02

## Coupler Inspection

Inspection Date 1-09

Expiry Date 2028-12-09

Corroded or abraded areas

Pass

Cracks or defects in welds

Pass

Dents or distortions

Pass

No defects found.

Defects  
PRV List

Type of PRV

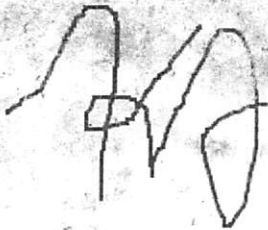

# 1

Tank Disposition

Current Disposition

Passed / No Defects Found

Approval


Inspector  
Kevin Jamieson

Tester  
Kevin jamieson

Service provided by eStandard Solutions.

## [EXTERNAL VISUAL INSPECTION REPORT VK1]

1

Date: Sen 10 24

CK Inspections

TC Reg: 25-1009; Exp: 2027-12-01

164075 Twp. Rd. 542

Mundare, Alberta T0B 3H0

780-722-4462

Client: PS Sidhu Trucking LTDAddress: 10 Sunset DriveCity: WhitehorsePostal Code: Y1A 4M8Phone: 867 334-3874☐ Lined☐ Insulated☐ Both lined and insulated☐ Loaded by vacuum☐ Corrosive service☐ Dedicated service: \_\_\_\_\_

Tank serial number: \_\_\_\_\_

VIN: 2m TA27C4NR000019Tank Spec: IC/me 306Orig. test date: 02/1992

Lining Material: \_\_\_\_\_

Unit Number: FP106Date of MFR: 02/1992Comp/Cert date: 02/1992CTMV orig. Test date: 02/1992CTMV Cert Date: 02/1992Manufacturer: Westank WillockAssembler: Westank Willock

TCRN: \_\_\_\_\_

MDIN: \_\_\_\_\_

MAWP: 21 KPa/PsiDesign Pressure: 21 KPa/Psi

Man. Thickness Head: \_\_\_\_\_

Min. Thickness Head: \_\_\_\_\_

Man. Thickness Shell: \_\_\_\_\_

Min. Thickness Shell: \_\_\_\_\_

Exposed surface area: \_\_\_\_\_

Volumetric Capacity: 28000 L

Design Temp. Range: \_\_\_\_\_ C to \_\_\_\_\_ C

Max Lading Density: 8.38 kg/lShell Material: S454-H32Head Material: S454-2Weld Material: S356

Max Load Rate: \_\_\_\_\_ lpm at \_\_\_\_\_ kPa

Max Payload: 23464 Kg

Max Unload Rate: \_\_\_\_\_ lpm at \_\_\_\_\_ kPa

Tank Design Pressure: 21 Kpa

Heating Sys. Pressure: \_\_\_\_\_ kPa/psi

Retest Pressure: 21 Kpa

Heating Sys. Temperature: \_\_\_\_\_ C/F

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)	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input type="checkbox"/>
Inspect the entire length of every weld for cracks, defects or signs of leakage as per 7.2.1(a)	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input type="checkbox"/>
Ensure devices for tightening manhole covers are operative and covers are leak tight as per 7.2.1(b)	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input type="checkbox"/>
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 <input type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
Ensure all required markings are legible; including manway, PRV, couplings, Valves and specification plate as per 7.2.1(e)	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input type="checkbox"/>
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 <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input type="checkbox"/>
Ensure accompanying or mounted hoses comply with inspection and marking requirements as per 7.2.10.4	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Check to ensure voids are unplugged and show no signs of leakage as per 7.2.1.2	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input type="checkbox"/>
Corroded or abraded areas are thickness tested as per 7.2.1.3	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input type="checkbox"/>



## [EXTERNAL VISUAL INSPECTION REPORT VK1]

2

All pressure relief devices are inspected for corrosion or damage as per 7.2.1.4	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input type="checkbox"/>
If lading is corrosive to PRV: re-closing pressure relief valves are replaced or tested as per 7.2.1.4(b)	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Gaskets on full opening rear head is inspected and replaced if cut, cracked or split as per 7.2.1.5	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Internal self closing valve and off truck emergency shut down system tested as per 7.2.1.6	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input type="checkbox"/>
Ensure that all bolts or nuts on any flanged connection or blank flange are in place and properly tightened as per 7.2.1(d)	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	Rep. <input type="checkbox"/>	NA <input type="checkbox"/>

PRV: Tested Y ☒ N ☐

PRV type	Set to discharge	Opening pressure	Re-seat pressure	Disposition: Reinstalled/Repaired/Replaced

\*PRV's should be numbered from front to rear of tank

## Leakage Test

Compartment #	Test Start psi	Test Finish psi	Hold time
1	2.5	2.5	5min
2	2.5	2.5	5min
3			
4			
5			

## Testing

	Pass	Fail	Rep.	NA
Venting devices hold pressure as required, if removed, they are bench tested and hold pressure as required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manways and closures inspected for leaks and deformation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flanged connections checked for leakage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inspect the entire area of the head, shell and welds for leaks or deformation including voids and adjacent compartments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test pressure maintained for a minimum of 5 minutes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All leaks are repaired before the tank is marked	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Defects found

- Removed and Replaced All Internal Cables and Fuse links

Constructed of: ☐ Quenched and Tempered steel (QT) ☐ Non-quenched (NQT)  
☐ Stress relieved after Mfr.  
☐ Stress relieved after repair: ☐ Local stress relief ☐ Complete stress relief

## Tank Disposition

☒ Pass ☐ Repaired/Re-tested/Returned to service  
☐ Fail/removed from service ☐ Removed from facility

Services Provided by:  
**eStandard Solutions**



Inspector name: Kevin Temison  
Inspector Signature: [Signature]  
Date signed: Jan 10 25  
Inspection expires: Jan 10 26

Tester name: Kevin Temison  
Tester Signature: [Signature]  
Date signed: Jan 10 25  
Markings applied: 01/25 VK 1009