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Farm Wagon Pressure Test Inspection Report

Richardson Pioneer Ltd.
PO Box 10
Grandview, MB
R0L 0Y0, Canada
204-546-2800

Inspection Information

Job ID: 32509
Date: June 16, 2023
Job: 3181
ID: 23381
Company: Richardson Pioneer Ltd.
Location: , PO Box 10, Grandview, MB
Inspector: Roberds, Ronald

Asset information

Name:
Tattle ID:
Status: In Service
Type: Farm Wagon
Location: , PO Box 10, Grandview, MB
Company: Richardson Pioneer Ltd.

Overview

Facility:	25-0829 (Brandon)
Has this unit been in service for the past year?:	Yes
Service:	NH3
Data Plate(s) are present and legible:	Yes
This inspection is conducted in accordance with:	CSA B620

Associated Transports

Fleet #:
Engine Serial #:
Chassis Serial #:
Vehicle Identification Number (VIN):
License Plate:
Manufacturer: Western Rock Bit Co. Ltd.
Engine Hours:
Mileage:

Associated Vessels

Vessel #1
Serial Number: 33346A
Fleet Number:
TC Specification: Exempt as per CSA B622 SR55
ASME Plate Location: End
U Stamp Yes
List Capacity: 1500.00 USWG
National Board Number: N/L

Provincial Number: N/L

Manufacturer: Western Rock Bit Co, Ltd

Year Built: 1996

MAWP: 265 psi

MDMT: -20 F

CRN or TCRN: E8048.234

Altered By: N/A

Diameter: 49.000 in

Head Material: 516.7

Minimum Head Thickness: 0.372 in

Shell Material: SA455

Minimum Shell Thickness: 0.349 in

headType: Semi

Seam To Seam Length: 166.000 in

This tank is constructed of: NQT

PWHT: Yes

PRV expiry: 2028-06

Paint Grading: 3 - Average - Slight fading/rubbing/few stone chips and marks/paint shine still good.

Assembler: N/A

Certification Date:

Lining: N/A

Meters

There are no meters or registers registered to this asset

Associated Hoses

Serial #	Size x Length	Hose Type	Retest Date	Replacement Year	Test Pressure	HAWP
40108	1" x 11.00 feet	hose	2024	2024	420	350

External Visual Inspection (B620, Clause 7.2.1)

Vessel shell and head external condition; no corroded areas, dents, distortions, defects in welds, leakage, overlay patches or any unsafe condition that might render tank unsafe for service:

Acceptable

External coating condition:

3 - Average - Slight fading/rubbing/few stone chips and marks/paint shine still good.

Piping within unit parameters / clearance:

Acceptable

Flanged connections – bolts in place:

Acceptable

Relief / side / rear valve guards :

Acceptable

Tank Fixed Liquid Level Valve operable and No leakage.:

Acceptable

Tank Level Gauge Legible and Undamaged:

Acceptable

Primary check valve installed on fill:

Acceptable

Excess flow valves installed on discharge / non-fill openings:

Acceptable

Tank pressure gauge (0-400 psi) present, in good working condition, legible, & undamaged:

Acceptable

Tank securely mounted and tied down:

Acceptable

Plumbing

Piping/valves - external condition- undamaged:

Acceptable

Piping within unit parameters / clearance:	Acceptable
Filler valve, cap and ACME gasket present:	Acceptable
All nozzle connections equipped with excess flow protection or back check on liquid fill line.	Acceptable
Additional excess flow protection on twin wagon:	
Hydrostatic relief valves present where required:	Acceptable
Piping and valves properly color coded:	Acceptable

Relief Valve Information (B620, Clause 7.2.7.6)

Relief Valve Size, Make and SCFM on Unit:	3/4" Squibb 265psi SCFM 1937
Quantity of Relief Valves on Unit :	2
Relief Valve Size, Make and SCFM on unit if different from above:	NA
Quantity of Reliefs Valve on Unit - If different from above:	N/A
New or In Service:	New
Valve expiry:	2028-06
Relief Valve Service Applicable For::	NH3 Only

Wagon

External coating condition:	Acceptable
Safety chains present, links properly rated, not corroded, cracked or damaged, safety chain hook and clevis:	Acceptable
Tire bolts / nuts in place and fully engaged:	Acceptable
Wheel hubs and bearings not cracked, damaged :	Acceptable
No structural defects, front axle, rear axle, frame, bunk, 5th wheel assembly, hitch assembly, cracks, corrosion, eye hole, elongation, frame attachments etc.:	Acceptable
Emergency water clean and full:	Acceptable
Safety kit present :	Acceptable

Pressure Test (B620, Clause 7.2.7)

Vessel testing pressure applied for minimum of 10 minutes :	Yes
Test medium:	Water
Hydro Pressure :	398 psi
Test of excess flows:	Acceptable

Basic Leakage Test

Test medium:	Water
Minimum test pressure (80% of MAWP, or 60 psi for LPG or NH3 service) Pressure applied for minimum of 5 minutes.:	Acceptable
Visual Inspection of External Leaks in Piping, Valves and Hoses:	Acceptable

Decaling

All decals legible; no worn out or fading decals:	Acceptable
Placards in place:	Acceptable
Product decals in place (Liquid, Vapor, ESO):	Acceptable
First Aid decals in place (NH3):	Acceptable
NH3 transfer Instruction decals in place:	Acceptable
Product decals on long sides:	Acceptable
NQT / QT decals in place:	Acceptable
Inspection decals in place and in correct order:	Acceptable
Slow moving vehicle orange triangle and Max 40KM/Hr. decal in place:	Acceptable
33km / Hr Decal installed on Twin Wagons:	N/A
Anhydrous Ammonia Inhalation Hazard decals Black and White Class 2.3 placard in place:	Acceptable

Hose Assembly Inspection (B620, Clause 7.2.10.4)

Test Medium:	Water
Testing Pressure Applied for minimum 5 minutes:	Acceptable
No damage to hose cover, kinked, flattened, or permanently deformed wire braid, soft spots when not under pressure, bulges when under pressure, or loose outer covering, damaged, slipping or excessively worn hose couplings, loose or missing bolts on hose coupling	Acceptable

assemblies:

Deteriorated legibility or absence of HAWP, Test date and Serial # on Hose tag:	Acceptable
Hose expiry date:	Acceptable
Hose end valve equipped with safety cage/ correct color:	Acceptable
Valve is color coded:	Acceptable
Hose assembly has hydrostatic protection:	Acceptable

Close Out

NQT / QT:	NQT
Markings Applied to - Vessel:	VPK
Tank locally stress relieved after repair:	No
Tank was completely stress relieved at time of manufacture (PWHT):	Yes
Repairs were undertaken as described in this report:	No
Tank fully stress relieved after repair:	No
This cargo tank is removed from service:	No
Defects or damage was discovered and is described in this report:	No
This cargo tank is returned to service:	Yes
Month/Year:	2023-06

Signatures



Roberds, Ronald

Defect Notes