



**Commercial Vehicle Inspection Certificate
Traffic Safety Act**

**PART 1 - VEHICLE OWNER AND VEHICLE
IDENTIFICATION**

Vehicle Type:	Truck	Seating Capacity:	
GVW:	36600 kg	Brake Type:	Air
Owner Name:	Big Steam Oilfield Services Ltd		
Address:	Po Box 789		
City:	brooks	Province:	AB
		Postal Code:	T1R1B7
Telephone Number:	(403) 501-5335		
Vehicle Identification Number:	5KKUALD10EPFY5410		
Make:	Western Star	Model:	WB1231065
Year:	2014	Unit Number:	308
Odometer:	40381 KM	Licence Plate Number:	K00768
		Province:	AB

IT IS AN OFFENCE TO FALSIFY AN INSPECTION CERTIFICATE

PART 2 - CERTIFICATION

I certify the vehicle described in Part 1 has passed the inspections and tests established under the Traffic Safety Act for a Commercial Vehicle.

Inspection Facility Name:	Facility Number:
Big Steam Oilfield Services Ltd.	15339
Inspection Technician Name:	Technician Number:
Pedro Reimer	B8398
Inspection Technician Signature:	
Inspection Date:	2022/07/12



COMMERCIAL VEHICLE RECORD OF INSPECTION TRUCK AND TRUCK-TRACTOR

The original Record of Inspection must be given to the customer regardless of whether the vehicle passes or not.

Type of Vehicle						Gross Vehicle Weight registered											
Truck						36600 kg											
Vehicle Information																	
VIN	5	K	K	U	A	L	D	1	0	E	P	F	Y	5	4	1	0
Unit Number 308		Year 2014		Make Western Star			Model WB1231065			Odometer 40,381							
Registered Owner's Name Big Steam Oilfield Services Ltd													Plate Number K00768				
Address Po Box 789							Postal Code T1R1B7			Phone Number (403) 501-5335							

Drum Brakes: C-Limited Inspection

Disc Brakes:

		LEFT	FRONT	RIGHT		
100 psi	17 in	n/a in	Drums/Rotors	n/a in	100 psi	17 in
n/a psi	100 psi	3/4 in	Linings/Pads	3/4 in	100 psi	n/a psi
n/a in	17 in	1 in	Push Rod Travel	1 in	17 in	n/a in
100 psi	100 psi	n/a in	Drums/Rotors	n/a in	100 psi	100 psi
18 in	18 in	3/4 in	Linings/Pads	3/4 in	18 in	18 in
1 in	1 in	1 in	Push Rod Travel	1 in	1 in	1 in
100 psi	100 psi	n/a in	Drums/Rotors	n/a in	100 psi	100 psi
18 in	18 in	3/4 in	Linings/Pads	3/4 in	18 in	18 in
1 in	1 in	1 in	Push Rod Travel	1 in	1 in	1 in
psi	psi	in	Drums/Rotors	in	psi	psi
in	in	in	Linings/Pads	in	in	in
in	in	in	Push Rod Travel	in	in	in
Park Brake Lining Left <u>n/a</u> in Right <u>n/a</u> in Trans <u>n/a</u> in Wheel Torque Checked <input type="checkbox"/> Inner <u>n/a</u> ft lbs Outer <u>n/a</u> ft lbs						

COMMERCIAL VEHICLE RECORD OF INSPECTION TRUCK AND TRUCK-TRACTOR

Section 3A - Air Brakes							
Component	P	F	NA	Component	P	F	NA
3A.11. Parking Brake & Emergency Application	✓						

NOTES:

Section 4 - Steering							
Component	P	F	NA	Component	P	F	NA
4.1. Steering Control and Linkage	✓			4.4. Kingpin	✓		
4.2. Power Steering System (Hydraulic and Electric)	✓			4.5. Self-Steer and Controlled-Steer Axle	✓		
4.3. Steering Operation (Active Steer Axle)	✓						

NOTES:

Section 5 - Instruments and Auxiliary Equipment							
Component	P	F	NA	Component	P	F	NA
5.1. Fire Extinguisher	✓			5.8. Heater & Windshield Defroster	✓		
5.2. Hazard Warning Kit	✓			5.9. Fuel-Burning Auxiliary Heater	✓		
5.3. Horn	✓			5.10. Chain/"Headache" Rack			✓
5.5. Speedometer	✓			5.11. Auxiliary Controls and Devices	✓		
5.6. Odometer	✓			5.12. Auxiliary Drive Controls	✓		
5.7. Windshield Wiper/Washer	✓						

NOTES:

Section 6 - Lamps							
Component	P	F	NA	Component	P	F	NA
6.1. Required Lamps	✓			6.4. Instrument Panel Lamps	✓		
6.2. Reflex Reflector	✓			6.5. Headlamp Aim	✓		
6.3. Retro-Reflective Marking	✓						

NOTES:

Section 7 - Electrical System							
Component	P	F	NA	Component	P	F	NA
7.1. Wiring	✓			7.3. Trailer Cord (output to towed vehicle)	✓		
7.2. Battery	✓						

NOTES:

Section 8 - Body							
Component	P	F	NA	Component	P	F	NA
8.1. Hood or Engine Enclosure	✓			8.12. Bumper	✓		
8.2. Tilt Cab	✓			8.13. Windshield	✓		
8.3. Air-Suspended Cab	✓			8.14. Side Windows	✓		
8.4. Cab and Passenger-Vehicle Body	✓			8.15. Rear Window	✓		
8.5. Cargo Body	✓			8.16. Interior Sun Visor	✓		
8.6. Frame, Rails & Mounts	✓			8.17. Exterior Windshield Sun Visor	✓		
8.7. Unitized Body Elements	✓			8.18. Rear-View Mirror	✓		
8.8. Cab or Cargo Door	✓			8.19. Seat	✓		
8.9. Cargo Tank or Vessel	✓			8.20. Seat Belt/Occupant Restraint	✓		
8.10. Body, Device or Equipment Attached or Mounted to the	✓			8.21. Fender/Mud Flap	✓		

Customer Name: BIG STEAM OILFIELD SERVICES LTD

Ship To Address: BOX 789 BROOKS AB

Job Number: 1104204802-I

Job Description: STEAM TRUCK

Job Date: November 4, 2020

308

TRUCK COPY

Total Inspected Assets: 51

Description: Adapter ,1" ,1" 1502 M x 2" 1502 F ,STD ,KEM ,1501MX2FA ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
K419951X		November 4, 2020	308	Level 1	Pass		

Description: Adapter ,2" x 6" ,Integral ,3" 1502 M x 2" 1502 F ,STD ,SPM ,3L11580 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
1307IAS123-5		November 4, 2020	308	Level 1	Pass		

Description: Check Valve ,2" ,Flapper Reverse Flow ,2" 1502 M x 2" 1502 F ,STD ,SPM ,2A29024 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
1304VAS271-5		November 4, 2020	308	Level 2	Pass	REUSED	CUSTOMER KIT

Description: Elbow ,2" ,Short Radius Compact ,90° ,2" 1502 M x 2" 1502 F ,STD ,SPM ,3L13234 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
1312IBG027-3		November 4, 2020	308	Level 1	Pass		

Description: Mud Line Hose ,1" x All Lengths ,1" 1502 M x 2" 1502 F ,STD ,RELIANCE ,GH493-16 ,6000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
06291728BS01		November 4, 2020	308	Level 1	Pass		

Description: Plug Valve ,1" ,LOTORC ,2" 1502 M x 2" 1502 F ,STD ,KEM ,1PV722MFRAB ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
11052048P001		November 4, 2020	308	Level 1	Pass		

Description: Plug Valve ,1" ,SP150WU ,2" 1502 M x 2" 1502 F ,STD ,SPM ,1A14483 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
1308VAS163-4		November 4, 2020	308	Level 1	Pass		
1406VAS009-3		November 4, 2020	308	Level 1	Pass		

Description: Plug Valve ,2" ,LT SuperSeal w/ Operator ,2" 1502 M x 2" 1502 F ,STD ,FloV ,PV152FMA-SS ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
2V-3463		November 4, 2020	308	Level 1	Pass		

Description: Plug Valve ,2" ,SP150WU ,2" 1502 M x 2" 1502 F ,STD ,SPM ,1A14487 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
1307VAS094-3		November 4, 2020	308	Level 1	Pass		



Inspected Assets Report

12/11/2020

Customer Name: BIG STEAM OILFIELD SERVICES LTD

Ship To Address: BOX 789 BROOKS AB

Job Number: 1104204802-I

Job Description: STEAM TRUCK

Job Date: November 4, 2020

Description: Pressure Relief Valve ,2" ,Adjustable ,2" 1502 M x 2" LPT F ,STD ,BAI ,992-9902-2-SHP ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
102285-1		November 4, 2020	308	Level 2	Pass	REUSED	CUSTOMER KIT
118252-3		November 4, 2020	308	NISD	Pass		

Description: Pump Discharge Flange ,2" ,2" 1502 M x 2" 15K FLG ,STD ,SPM ,FCS00021 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
05011528BS03		November 4, 2020	308	Level 1	Pass		
05011528BS04		November 4, 2020	308	Level 1	Pass		

Description: Pump Gauge Port ,2" ,2' 1502 F ,STD ,SPM ,2P100586 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
05011528BS05		November 4, 2020	308	Level 1	Pass		

Description: Straight Joint ,2" x 120" ,NPST Det/Nut ,2" 1502 M x 2" 1502 F ,STD ,SPM ,2A23284 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
6135472ED-1		November 4, 2020	308	Level 1	Pass		
6135472ED-10		November 4, 2020	308	Level 1	Pass		
6135472ED-12		November 4, 2020	308	Level 1	Pass		
6135472ED-13		November 4, 2020	308	Level 1	Pass		
6135472ED-17		November 4, 2020	308	Level 1	Pass		
6135472ED-18		November 4, 2020	308	Level 1	Pass		
6135472ED-2		November 4, 2020	308	Level 1	Pass		
6135472ED-3		November 4, 2020	308	Level 1	Pass		
6135472ED-5		November 4, 2020	308	Level 1	Pass		
6135472ED-6		November 4, 2020	308	Level 1	Pass		
6135472ED-7		November 4, 2020	308	Level 1	Pass		
6135472ED-9		November 4, 2020	308	Level 1	Pass		
6136060ED-12		November 4, 2020	308	Level 1	Pass		
6136060ED-20		November 4, 2020	308	Level 1	Pass		

Description: Straight Joint ,2" x 24" ,NPST Det/Nut ,2" 1502 M x 2" 1502 F ,STD ,SPM ,2A23281 ,15000 CWP ,2.38" OD

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
6135473ED-7		November 4, 2020	308	Level 1	Pass		

Customer Name: BIG STEAM OILFIELD SERVICES LTD

Ship To Address: BOX 789 BROOKS AB

Job Number: 1104204802-I

Job Description: STEAM TRUCK

Job Date: November 4, 2020

Description: Straight Joint ,2" x 60" ,NPST Det/Nut ,2" 1502 M x 2" 1502 F ,STD ,SPM ,2A23385 ,15000 CWP ,2.375" OD

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
05011528BS06		November 4, 2020	308	Level 1	Pass		
6133433ED-2		November 4, 2020	308	Level 1	Pass		
6135392ED-5		November 4, 2020	308	Level 1	Pass		
6136137ED-17		November 4, 2020	308	Level 1	Pass		
6136137ED-20		November 4, 2020	308	Level 1	Pass		

Description: Swivel ,2" ,LR S10 ,2" 1502 M x 2" 1502 F ,STD ,SPM ,2A17135 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
05011528BS01		November 4, 2020	308	Level 1	Pass		

Description: Swivel ,2" ,LR S50 ,2" 1502 M x 2" 1502 F ,STD ,SPM ,2A17139 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
05011528BS02		November 4, 2020	308	Level 1	Pass		
1207HAS147-9		November 4, 2020	308	Level 1	Pass		
1402HAS050-3		November 4, 2020	308	Level 1	Pass		
1402HAS050-4		November 4, 2020	308	Level 2	Pass	END2SJURK:	1Q24
1411HAS573-2		November 4, 2020	308	Level 1	Pass		
1411HAS573-6		November 4, 2020	308	Level 1	Pass		

Description: Swivel ,2" ,LS S50 ,2" 1502 M x 2" 1502 F ,STD ,FMC ,3139475 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
08150A10120		November 4, 2020	308	Level 1	Pass		
081510A10124		November 4, 2020	308	Level 1	Pass		

Description: Swivel ,2" ,S50 ,2" 1502 M x 2" 1502 F ,STD ,BES ,53310005 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
1L458-1		November 4, 2020	308	Level 1	Pass		

Description: Tee ,2" ,2" 1502 M x 2" 1502 F x 2" 1502 F ,STD ,TSI ,FF-423-1 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
L735-193		November 4, 2020	308	Level 1	Pass		

Description: Tee ,2" ,2" 1502 M x 2" 1502 F x 2" 1502 M ,STD ,FloV ,T152MFMA ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
151137-D		November 4, 2020	308	Level 1	Pass		



Inspected Assets Report

12/11/2020

Customer Name: BIG STEAM OILFIELD SERVICES LTD

Ship To Address: BOX 789 BROOKS AB

Job Number: 1104204802-I

Job Description: STEAM TRUCK

Job Date: November 4, 2020

Description: Tee ,2" ,Integral ,2" 1502 M x 2" 1502 F x 2" 1502 M ,STD ,Anson ,A15625 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
460988		November 4, 2020	308	Level 1	Pass		

Description: Tee ,2" ,Integral ,2" 1502 M x 2" 1502 F x 2" 1502 M ,STD ,SPM ,3L13230 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
1309IB9110-2		November 4, 2020	308	Level 1	Pass		

Description: Wye ,2" ,2" 1502 M x 2" 1502 F x 2" 1502 F ,STD ,Anson ,101677 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
394466		November 4, 2020	308	Level 1	Pass		

Description: Wye ,2" ,2" 1502 M x 2" 1502 F x 2" 1502 F ,STD ,SPM ,3L13139 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
1111ICS028-7		November 4, 2020	308	Level 1	Pass		

TRUCK COPY

Customer Name: BIG STEAM OILFIELD SERVICES LTD

Ship To Address: BOX 789 BROOKS AB

Job Number: 1106194801-I

Job Description: STEAM TRUCK

Job Date: November 6, 2019

Total Inspected Assets: 53

Description: Adapter ,1" ,1" 1502 M x 2" 1502 F ,STD ,KEM ,1501MX2FA ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
K516673STD		November 6, 2019	308	Level 1	Pass		

Description: Adapter ,2" x 6" ,Integral ,3" 1502 M x 2" 1502 F ,STD ,SPM ,3L11580 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
1307IAS123-5		November 6, 2019	308	Level 1	Pass		

Description: Adapter ,2" x 7" ,2" 1502 M x 2" 1502 M ,STD ,KEM ,1502MX2MA ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
K467587STD		November 6, 2019	308	Level 1	Pass		

Description: Adapter ,2" x 7" ,Integral ,2" 1502 F x 2" 1502 F ,STD ,KEM ,1502FX2FA ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
K469410STD		November 6, 2019	308	Level 1	Pass		

Description: Adapter ,2" x 7" ,Integral ,2" 1502 M x 2" 1502 F ,STD ,KEM ,1502MX2FA ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
K387667X		November 6, 2019	308	Level 1	Pass		

Description: Check Valve ,2" ,Flapper Reverse Flow ,2" 1502 M x 2" 1502 F ,STD ,SPM ,2A29024 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
1304VAS271-5		November 6, 2019	308	Level 2	Pass	REUSED KIT	UNKNOWN

Description: Elbow ,2" ,Short Radius Compact ,90° ,2" 1502 M x 2" 1502 F ,STD ,SPM ,3L13234 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
1312IBG027-3		November 6, 2019	308	Level 1	Pass		

Description: Mud Line Hose ,1" x All Lengths ,1" 1502 M x 1" 1502 F ,STD ,ARQ ,4500 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
GH781-8		November 6, 2019	308	Level 1	Pass		

Description: Mud Line Hose ,1" x All Lengths ,1" 1502 M x 2" 1502 F ,STD ,RELIANCE ,GH493-16 ,6000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
06291728BS01		November 6, 2019	308	Level 1	Pass		

Customer Name: BIG STEAM OILFIELD SERVICES LTD

Ship To Address: BOX 789 BROOKS AB

Job Number: 1106194801-I

Job Description: STEAM TRUCK

Job Date: November 6, 2019

Description: Plug Valve ,1" ,SP150WU ,2" 1502 M x 2" 1502 F ,STD ,SPM ,1A14483 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
1308VAS163-4		November 6, 2019	308	Level 1	Pass		
1406VAS009-3		November 6, 2019	308	Level 1	Pass		

Description: Plug Valve ,2" ,LT SuperSeal w/ Operator ,2" 1502 M x 2" 1502 F ,STD ,FloV ,PV152FMA-SS ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
2V-3463		November 6, 2019	308	Level 1	Pass		

Description: Plug Valve ,2" ,SP150WU ,2" 1502 M x 2" 1502 F ,STD ,SPM ,1A14487 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
1307VAS094-3		November 6, 2019	308	Level 2	Pass	4L11982	2Q27

Description: Pressure Relief Valve ,2" ,Adjustable ,2" 1502 M x 2" LPT F ,STD ,SPM ,2A18138 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
1203VAS104-1		November 6, 2019	308	Level 1	Pass		
ME1403VAS2-2		November 6, 2019	308	Level 1	Pass		

Description: Pump Discharge Flange ,2" ,2" 1502 M x 2" 15K FLG ,STD ,SPM ,FCS00021 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
05011528BS03		November 6, 2019	308	Level 1	Pass		
05011528BS04		November 6, 2019	308	Level 1	Pass		

Description: Pump Gauge Port ,2" ,2" 1502 F ,STD ,SPM ,2P100586 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
05011528BS05		November 6, 2019	308	Level 1	Pass		



Inspected Assets Report

08/11/2019

Customer Name: BIG STEAM OILFIELD SERVICES LTD

Ship To Address: BOX 789 BROOKS AB

Job Number: 1106194801-I

Job Description: STEAM TRUCK

Job Date: November 6, 2019

Description: Straight Joint ,2" x 120" ,NPST Det/Nut ,2" 1502 M x 2" 1502 F ,STD ,SPM ,2A23284 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
6135472ED-1		November 6, 2019	308	Level 1	Pass		
6135472ED-10		November 6, 2019	308	Level 1	Pass		
6135472ED-12		November 6, 2019	308	Level 1	Pass		
6135472ED-13		November 6, 2019	308	Level 1	Pass		
6135472ED-17		November 6, 2019	308	Level 1	Pass		
6135472ED-18		November 6, 2019	308	Level 1	Pass		
6135472ED-2		November 6, 2019	308	Level 1	Pass		
6135472ED-3		November 6, 2019	308	Level 1	Pass		
6135472ED-5		November 6, 2019	308	Level 1	Pass		
6135472ED-6		November 6, 2019	308	Level 1	Pass		
6135472ED-7		November 6, 2019	308	Level 1	Pass		
6135472ED-9		November 6, 2019	308	Level 1	Pass		
6136060ED-12		November 6, 2019	308	Level 1	Pass		
6136060ED-20		November 6, 2019	308	Level 1	Pass		

Description: Straight Joint ,2" x 24" ,NPST Det/Nut ,2" 1502 M x 2" 1502 F ,STD ,SPM ,2A23281 ,15000 CWP ,2.38" OD

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
6135473ED-7		November 6, 2019	308	Level 1	Pass		

Description: Straight Joint ,2" x 60" ,NPST Det/Nut ,2" 1502 M x 2" 1502 F ,STD ,SPM ,2A23385 ,15000 CWP ,2.375" OD

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
05011528BS06		November 6, 2019	308	Level 1	Pass		
6133433ED-2		November 6, 2019	308	Level 1	Pass		
6135392ED-5		November 6, 2019	308	Level 1	Pass		
6136137ED-17		November 6, 2019	308	Level 1	Pass		
6136137ED-20		November 6, 2019	308	Level 1	Pass		

Description: Swage ,2" ,2" 1502 F x 2 3/8" EUE M ,STD ,KEM ,1502SW2X2375EA ,10000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
K3738555SW		November 6, 2019	308	Level 1	Pass		

Description: Swage ,2" ,2" 1502 F x 2 7/8" EUE M ,STD ,KEM ,1502SW2X2875E ,10000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
K377765SW		November 6, 2019	308	Level 1	Pass		



Inspected Assets Report

08/11/2019

Customer Name: BIG STEAM OILFIELD SERVICES LTD

Ship To Address: BOX 789 BROOKS AB

Job Number: 1106194801-I

Job Description: STEAM TRUCK

Job Date: November 6, 2019

Description: Swage ,2" ,2" 1502 F x 3 1/2" EUE M ,STD ,KEM ,1502SW2X35EA ,10000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
K426526SW		November 6, 2019	308	Level 1	Pass		

Description: Swivel ,2" ,LR S10 ,2" 1502 M x 2" 1502 F ,STD ,SPM ,2A17135 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
05011528BS01		November 6, 2019	308	Level 1	Pass		

Description: Swivel ,2" ,LR S50 ,2" 1502 M x 2" 1502 F ,STD ,SPM ,2A17139 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
05011528BS02		November 6, 2019	308	Level 1	Pass		
1402HAS050-3		November 6, 2019	308	Level 1	Pass		

Description: Swivel ,2" ,LS S50 ,2" 1502 M x 2" 1502 F ,STD ,FMC ,3139475 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
081510A10124		November 6, 2019	308	Level 1	Pass		

Description: Swivel ,2" ,S50 ,2" 1502 M x 2" 1502 F ,STD ,BES ,53310005 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
1L458-1		November 6, 2019	308	Level 1	Pass		
1L458-5		November 6, 2019	308	Level 1	Pass		

Description: Tee ,2" ,2" 1502 M x 2" 1502 F x 2" 1502 F ,STD ,TSI ,FF-423-1 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
L735-193		November 6, 2019	308	Level 1	Pass		

Description: Tee ,2" ,2" 1502 M x 2" 1502 F x 2" 1502 M ,STD ,FloV ,T152MFMA ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
151137-D		November 6, 2019	308	Level 1	Pass		

Description: Tee ,2" ,Integral ,2" 1502 M x 2" 1502 F x 2" 1502 M ,STD ,Anson ,A15625 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
460988		November 6, 2019	308	Level 1	Pass		

Description: Tee ,2" ,Integral ,2" 1502 M x 2" 1502 F x 2" 1502 M ,STD ,SPM ,3L13230 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
1309IB9110-2		November 6, 2019	308	Level 1	Pass		



Inspected Assets Report

08/11/2019

Customer Name: BIG STEAM OILFIELD SERVICES LTD

Ship To Address: BOX 789 BROOKS AB

Job Number: 1106194801-I

Job Description: STEAM TRUCK

Job Date: November 6, 2019

Description: Wye ,2" ,2" 1502 M x 2" 1502 F x 2" 1502 F ,STD ,Anson ,101677 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
394466		November 6, 2019	308	Level 1	Pass		

Description: Wye ,2" ,2" 1502 M x 2" 1502 F x 2" 1502 F ,STD ,SPM ,3L13139 ,15000 CWP

Serial Number	Second Serial	Service Date	New Unit	Service Level	Status	Kit #	Tracking #
1111ICS028-7		November 6, 2019	308	Level 1	Pass		



Dynamic Industrial Solutions
 1791 30th St SW
 Medicine Hat, AB T1B 3N5
 Tel. 403-527-7272 Fax 403-529-6526
 accounts@dynamicis.ca

WORK ORDER
TANK-6293

Tank Inspection

Ordered By: BILL 403 363-3293	Date: 9-Sep-21	Completed: 14-Sep-21
Customer: Big Steam Oilfield Services	Facility:	
Location: VARIOUS UNITS	Job Number:	
Description Of Work		
TRAVEL TO BROOKS FOR B 620 INSPECTIONS		
UNIT 308 VK INSPECTION UNIT 310 VK INSPECTION		

Miscellaneous Charges

Item	Quantity	Rate	Amount
B620 Visual Inspection	2.00	\$150.00	\$300.00
B620 Leakage Test	2.00	\$150.00	\$300.00
Mileage	120.00	\$0.75	\$90.00
Shop Supplies	4.00	\$9.00	\$36.00
Total:			\$726.00

Technician Signature:		Totals:	Labour	\$0.00
			Parts	\$0.00
Customer Name:			Travel	\$0.00
			Rentals	\$0.00
Customer Approved:	<input type="checkbox"/> Order Accepted		Miscellaneous	\$726.00
			Subsistence	\$0.00
Inspection:	Date:		Sub Total:	\$726.00
			GST	\$36.30
Remit Payment To: Dynamic Industrial Solutions 1791 30th St SW Medicine Hat, AB T1B 3N5 Tel. 403-527-7272 Fax 403-529-6526 accounts@dynamicis.ca BN:857198857 RT 0001				Work Order Total: \$762.30



1791 30th St. S.W.
 Medicine Hat, AB T1B 3N5
 Phone: (403) 527-7272
 Fax: (403) 529-6526
 Facility Registration No. 25-0709

Inspection Report in Accordance with CSA B620-20

TEST DATE: September 10, 2021

TANK OWNER: **Big Steam Oilfield Services**

ADDRESS: **#5 Boswell Cres. Brooks, AB T1R 1B7**

TELEPHONE: (403) 793-7046	SERIAL NO.: 4M5NM063ME1448603	
UNIT NO.: 308	MVID/TCRN: 412.MS.06.5.T	
MANUFACTURER: Hamm's	ASSEMBLER: Hamm's	
TC SPEC.: 412/406	MATERIAL: A1011	CERTIFICATION DATE: 01/2014
MINIMUM THICKNESS SHELL: 3.99 mm	MINIMUM THICKNESS HEAD: 3.99 mm	
MAWP: 5 psi	DESIGN PRESSURE: 7.5 psi	
LINING: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	INSULATED: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SPECIAL SERVICE CONDITIONS:		

COMP. CAPACITY:	1 2140 L	2 6430 L	3 2150 L
	4	5	

INSPECTION PERFORMED V I P K T UC L

PRESSURE RELIEF DEVICES: SET TO DISCHARGE PRESSURE: 5 psi

#1) TYPE:	SERIAL NO:	OPEN PSI:	RESEAT PSI:
REINSTALLED <input type="checkbox"/>	REPAIRED <input type="checkbox"/>	REPLACED <input type="checkbox"/>	
#2) TYPE:	SERIAL NO:	OPEN PSI:	RESEAT PSI:
REINSTALLED <input type="checkbox"/>	REPAIRED <input type="checkbox"/>	REPLACED <input type="checkbox"/>	
#3) TYPE:	SERIAL NO:	OPEN PSI:	RESEAT PSI:
REINSTALLED <input type="checkbox"/>	REPAIRED <input type="checkbox"/>	REPLACED <input type="checkbox"/>	
#4) TYPE:	SERIAL NO:	OPEN PSI:	RESEAT PSI:
REINSTALLED <input type="checkbox"/>	REPAIRED <input type="checkbox"/>	REPLACED <input type="checkbox"/>	
#5) TYPE:	SERIAL NO:	OPEN PSI:	RESEAT PSI:
REINSTALLED <input type="checkbox"/>	REPAIRED <input type="checkbox"/>	REPLACED <input type="checkbox"/>	

TC 331, MC 331, MC 330, TC 51, CTC 51, DOT 51 TANKS:

CONSTRUCTED OF QUENCHED AND TEMPERED STEEL: QT YES NO

CONSTRUCTED OF OTHER THAN QUENCHED AND TEMPERED STEEL: NQT YES NO

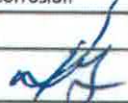
TANK STRESS RELIEVED AFTER MANUFACTURE: YES NO

TANK STRESS RELIEVED AFTER REPAIR: YES NO

TANK STRESS RELIEF AFTER REPAIR: COMPLETE: LOCAL:

RECORD ALL INFORMATION FROM DATA PLATE AND TAKE PHOTOS OF DATA PLATE AND UNIT FOR FILE:
VIN:5KKUALD10EPFY5410

EXTERNAL VISUAL INSPECTION "V"

Item Inspected	QC Man.Ref.	Complies	Reject	Retest Complies
Data plate, present and legible	12.2.3	X		
Shell & heads; corrosion, dents, overlay patches, leaks, voids, etc.	12.2.4	X		
Structural members, outriggers crossmembers, etc.	12.2.5	X		
Upper coupler for cracks, corrosion, distortion, and bolt tightness	12.2.6	N/A		
Piping and valves for leakage, damage, and corrosion	12.2.7	X		
Valve operating systems, remote closures, and thermal devices	12.2.7	X		
Hoses for defects, identification and test dates	12.2.8	N/A		
Gaskets on full opening rear heads for damage or cuts	12.2.9	N/A		
Tank attachments to frame or running gear	12.2.10	X		
Ladders, walkways, platforms, etc.	12.2.11	X		
Fill covers, manways, and closure devices	12.2.12	X		
Relief valves and vents (replace or test if in corrosive lading Service)	12.2.13	X		
Accident damage protection; compliance, damage, distortion, corrosion	12.2.14	X		
Off truck emergency shut down system	12.2.15	N/A		
Inspector: Kevin Fury	Signature: 		Date: September 10, 2021	

INTERNAL VISUAL INSPECTION "I"

Item Inspected	QC Man Ref.	Complies	Reject	Retest Complies
Interior surface for corrosion, distortion, overlay patches, cracking, etc.	12.3.2			
If required by the tank specification perform Wet Fluorescent Magnetic Particle Inspection and file report in accordance with Dynamic Industrial Solutions Procedure Number QP-16	12.3.3			
Interior welds for defects, cracking, etc.	12.3.4			
Internal supports and attachments	12.3.5			
Internal valves, piping and vents for leakage, damage, etc.	12.3.5			
Inspector:	Signature:		Date:	

Rejection Criteria for Visual Inspections

Any of the following conditions shall cause the tank to be rejected:

- Less than minimum material thickness under any cut, dig or gouge
- Any dent with depth greater than 1/2" where it includes a weld
- Any dent with a depth greater than 10 % of the length of the dent
- Any weld defect including a crack, pinhole, or incomplete fusion of the weld
- Any structural defect or any source of leakage or any repairs made using overlay patches
- Defective, unidentified or out of test hose assemblies

HYDROSTATIC LEAKAGE TEST "K" (QC Manual Reference 12.4)

Test Pressure: 3 psi

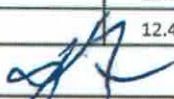
(80% of the MAWP Min.)

Test Medium: Water

Pressure Gauge Serial No.:

218181D0040

Calibration Date: Feb.3, 2021

Hydrostatic Leakage Test Item	QC Man.Ref.	Complies	Reject	Retest Complies
All product piping, valves, and accessories in place. Breathing vents rendered inoperative.	12.4.2	X		
Close all internals and open all discharge valves.	12.4.5	X		
Ensure all adjacent compartments and voids are empty and open to atmosphere.	12.4.6	X		
Fill compartment with enough test medium to cover valves.	12.4.7	X		
Pressurize tank to correct pressure and hold for 5 min. (Must have 0 psi pressure drop).	12.4.8	X		
While under pressure check tank, gaskets, internal valves, manhole covers, and vents for leakage.	12.4.9	X		
Close discharge valves and open internal valves. Adjust pressure and check plumbing and discharge valves for leakage.	12.4.10	X		
Restore operation of all vents.	12.4.12	X		
Tester: Kevin Fury		Signature: 		Date: September 10, 2021

HYDROSTATIC PRESSURE TEST "P" (QC Manual Reference 12.5)

Test Pressure (Tank):

(Refer to Table 7.4 of CSA B620-20 posted in fitting cabinet for appropriate test pressure)

Test Pressure (Piping):

(80% of the MAWP)

Test Medium:

Pressure Gauge Serial No.:

Calibration Date:

Hydrostatic Pressure Test Item	QC Man Ref.	Complies	Reject	Retest Complies
Level and adequately support the tank.	12.5.1.3			
Remove self closing relief valves for testing.	12.5.1.4			
Remove or render inoperative all other relief devices and close internal valves.	12.5.1.5			
Ensure all remaining closures are rated at or above test pressure.	12.5.1.6			
Ensure adjacent compartments and voids are empty and open to atmosphere.	12.5.1.7			
Fill compartment completely with water.	12.5.2.1			
Install pressurization line and slowly increase pressure to test pressure.	12.5.2.2 & 3			
Disconnect pressure source and hold pressure for 10 minutes.	12.5.2.4			
With tank under pressure inspect exterior for leaks, defects, or distortion.	12.5.2.5			
Relieve pressure in tank.	12.5.2.6			
Close discharge valves and open internals. Pressurize tank to 80% of the MAWP. Hold for 10 minutes and check plumbing and discharge valves for leaks.	12.5.2.7			
Relieve pressure and drain tank.	12.5.2.9			
Reinstall or return all relief valves to working condition.	12.5.2.10			
Tester:		Signature:		Date:

PNEUMATIC LEAKAGE TEST "K" (QC Manual Reference 12.4)

Test Pressure: (80% of the MAWP Min.)

Test Medium:

Pressure Gauge Serial No.:

Calibration Date:

Pneumatic Leakage Test Item	QC Man.Ref.	Complies	Reject	Retest Complies
All product piping, valves, and accessories in place. Breathing vents rendered inoperative.	12.4.2			
Close all internals and open all discharge valves.	12.4.5			
Ensure all adjacent compartments and voids are empty and open to atmosphere.	12.4.6			
Fill compartment with enough test medium to cover valves.	12.4.7			
Pressurize tank to correct pressure and hold for 5 min. (Must have 0 psi pressure drop).	12.4.8			
While under pressure check tank, gaskets, internal valves, manhole covers, and vents for leakage.	12.4.9			
Close discharge valves and open internal valves. Adjust pressure and check plumbing and discharge valves for leakage.	12.4.10			
Relieve pressure in tank and restore operation of all vents.	12.4.12			
Tester:	Signature:	Date:		

NOTE: A pneumatic pressure test, with the concurrence of the tank owner shall only be performed when there is no suspicion of weakness in the tank and residual water in the tank would adversely react with the lading or the tank, or any lading retention component, or result in the formation of ice causing damage to or adversely affecting the functioning of the tank.

PNEUMATIC PRESSURE TEST "P" (QC Manual Reference 12.5)

Test Pressure (Tank):

(Refer to Table 7.4 of CSA B620-20 posted in fitting cabinet for appropriate test pressure)

Test Pressure (Piping): (80% of the MAWP)

Test Medium:

Pressure Gauge Serial No.:

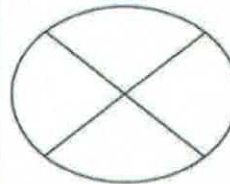
Calibration Date:

Pneumatic Pressure Test Item	QC Man Ref.	Complies	Reject	Retest Complies
Level and adequately support the tank.	12.5.1.3			
Remove self closing relief valves for testing.	12.5.1.4			
Remove or render inoperative all other relief devices and close internal valves.	12.5.1.5			
Ensure all remaining closures are rated at or above test pressure.	12.5.1.6			
Ensure adjacent compartments and voids are empty and open to atmosphere.	12.5.1.7			
Advise all personnel that a pneumatic test is being performed and that they must stay clear of the tank being tested.	12.5.3.2			
Apply pressurization line and slowly increase pressure in tank. Pressure to one half the test pressure then increase by 1/10 of test pressure until pressure is reached.	12.5.3.3- 12.5.3.5			
Hold pressure for 10 minutes, then reduce it to the MAWP.	12.5.3.6			
Maintain pressure while using soap and water to coat entire surface of all joints and around all venting and piping.	12.5.3.7			
Relieve pressure in tank, close discharge valves and open internal valves.	12.5.3.8 & 9			
Re pressurize tank to 80 % of the MAWP and hold for 10 min. Soap surface of all joints and connections in the section of plumbing being tested.	12.5.3.10 & 11			
Relieve pressure in tank.	12.5.3.12			
Reinstall or return to working condition all relief devices.	12.5.3.14			
Tester:	Signature:	Date:		

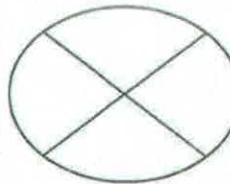
THICKNESS TEST "T" (QC Manual Reference 12.6)

	12:00	3:00	6:00	9:00	
					HEAD
1					1
2					2
3					3
4					4
5					5
6					6
7					7
8					8
9					9
10					10
11					11
					HEAD
	12:00	3:00	6:00	9:00	

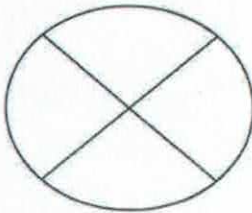
FRONT HEAD



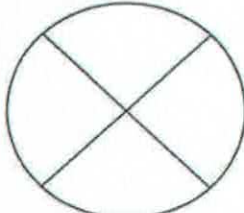
REAR HEAD



MANWAY



SUMP



NOZZLE



NOZZLE



Manufacture's Thickne
Minimum Thickness

Head: _____
Head: _____

Shell: _____
Shell: _____

Inspector:	Signature:	Date:
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HEATING SYSTEM TEST (QC Manual Reference 12.10)

Test Pressure

Test Medium:

Pressure Gauge Serial No.:

Calibration Date:

Heating Stysyem Test Inspection Item	QC Man.Ref.	Complies	Reject	Retest Complies
Ensure all tank compartments are empty and at atmospheric pressure	12.10.1			
Fill heating system with fluid and pressurize to 1.5 times the heating systems MAWP	12.10.2			
Hold test pressure for 5 min. And inspect for intenal and external leakage	12.10.3			
If equipped with flues, inspect for product leakage into flues	12.10.4			

Inspector:	Signature:	Date:
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UPPER COUPLER INSPECTION UC (QC Manual Reference 12.2.6)

Upper Coupler Inspection Item	QC Man.Ref.	Complies	Reject	Retest Complies
Remove Upper Coupler or Turntable from unit	12.2.6			
Inspect areas covered by the Upper Coupler or Turntable assembly for corrosion, abrasion, dents, distortion or any other condition that would render the tank unsafe	12.2.6.1			
While removed inspect Upper Coupler assembly for cracks, distortion, plate wear and kingpin wear.	12.2.6.2			
If equipped, inspect Turntable for wear, distortion and cracks	12.2.6.3			
Install Upper Coupler or Turntable assembly	12.2.6.4			
Inspector:	Signature:	Date:		

LINING INSPECTION L (QC Manual Reference 12.7.2)

Upper Coupler Inspection Item	Man.Ref.	Complies	Reject	Complies
Inspect rubber liners using a spark tester and following manufacturers instructions	12.7.1.1			
Inspect all linings other than rubber or FRP corrosion barriers according to the lining manufacturers instructions	12.7.2.1			
If lining damage is discovered inspect the tank wall under the damaged lining and thickness test if required.	12.7.3.1			
Inspector:	Signature:	Date:		

Description of defects found and methods used to repair:

- | | | | | | |
|------------------|---|-----|-------------------------------------|----|-------------------------------------|
| TANK DISPOSITION | Removed from service | YES | <input type="checkbox"/> | NO | <input checked="" type="checkbox"/> |
| | Safety Mark (Specification Indication) removed | YES | <input type="checkbox"/> | NO | <input checked="" type="checkbox"/> |
| | Returned to Service | YES | <input checked="" type="checkbox"/> | NO | <input type="checkbox"/> |
| | Tank marking applied (QC Manual Reference Section 15) | YES | <input checked="" type="checkbox"/> | NO | <input type="checkbox"/> |



Dynamic Industrial Solutions
 1791 30th St SW
 Medicine Hat, AB T1B 3N5
 Tel. 403-527-7272 Fax 403-529-6526
 accounts@dynamicis.ca

WORK ORDER
TANK-5510

Tank Inspection

Ordered By: TIM HOFER 403 376-1804	Date: 25-Jul-19	Completed: 25-Jul-19
Customer: Big Steam Oilfield Services	Facility:	
Location: Unit # 308	Job Number:	
Description Of Work TRAVEL TO BROOKS FOR VIPK INSPECTION		

Miscellaneous Charges

Item	Quantity	Rate	Amount
B620 Visual Inspection	1.00	\$150.00	\$150.00
B620 Internal Inspection	1.00	\$150.00	\$150.00
B620 Pressure Test	1.00	\$150.00	\$150.00
B620 Leakage Test	1.00	\$150.00	\$150.00
Shop Supplies	4.00	\$9.00	\$36.00
Total:			\$636.00

Technician Signature:	Totals:	Labour	\$0.00
Customer Name:		Parts	\$0.00
Customer Approved: <input type="checkbox"/> Order Accepted		Travel	\$0.00
Inspection:	Date:	Rentals	\$0.00
Remit Payment To: Dynamic Industrial Solutions 1791 30th St SW Medicine Hat, AB T1B 3N5 Tel. 403-527-7272 Fax 403-529-6526 accounts@dynamicis.ca BN:857198857 RT 0001		Miscellaneous	\$636.00
		Subsistence	\$0.00
		Sub Total:	\$636.00
		GST	\$31.80
Work Order Total:			\$667.80



1791 30th St. S.W.
 Medicine Hat, AB T1B 3N5
 Phone: (403) 527-7272
 Fax: (403) 529-6526
 Facility Registration No. 25-709

Inspection Report in Accordance with CSA B620-14

TEST DATE: **July 23, 2019**

TANK OWNER: **Big Steam Oilfield Services**

ADDRESS: **#5 Boswell Cres. Brooks, AB T1R 1B7**

TELEPHONE: **(403) 793-7046**

VIN NO.: **5KKUALD10EPFY5410**

UNIT NO.: **308**

MVID/SN: **4M5NM063ME1448603**

MANUFACTURER: **Goldec Hamm's**

MFR DATE: **June 2014**

MATERIAL: **A1011**

TANK SPEC: **TC412/TC406** MAWP: **5 psi**

COMP. CAPACITY: **1 2140 litres**

2 6430 litres **3 2150 litres**

4

5

MC/TC331: QT:

NQT: PWHT:

TESTS PERFORMED "V"

"I"

EXTERNAL VISUAL INSPECTION "V"

Item Inspected	QC Man.Ref.	Complies	Reject	Retest Complies
Data plate, present and legible	8.2.3	X		
Shell & heads; corrosion, dents, overlay patches, leaks, voids, etc.	8.2.4	X		
Structural members, outriggers crossmembers, etc.	8.2.5	X		
Upper coupler for cracks, corrosion, distortion, and bolt tightness	8.2.6	N/A		
Piping and valves for leakage, damage, and corrosion	8.2.7	X		
Valve operating systems, remote closures, and thermal devices	8.2.7	X		
Hoses for defects, identification and test dates	8.2.8	N/A		
Gaskets on full opening rear heads for damage or cuts	8.2.9	N/A		
Tank attachments to frame or running gear	8.2.10	X		
Ladders, walkways, platforms, etc.	8.2.11	X		
Fill covers, manways, and closure devices	8.2.12	X		
Relief valves and vents (replace or test if in corrosive lading Service)	8.2.13	X		
Accident damage protection; compliance, damage, distortion, corrosion	8.2.14	X		
Off truck emergency shut down system	8.2.15	N/A		
Inspector: Donovan Bellamy Signature:	Date: July 23, 2019			

INTERNAL VISUAL INSPECTION "I"

Item Inspected	QC Man Ref.	Complies	Reject	Retest Complies
Interior surface for corrosion, distortion, overlay patches, cracking, etc.	8.3.2	X		
Interior welds for defects, cracking, etc.	8.3.3	X		
Internal supports and attachments	8.3.4	X		
Internal valves, piping and vents for leakage, damage, etc.	8.3.4	X		
Inspector: Donovan Bellamy Signature:	Date: July 23, 2019			

Rejection Criteria for Visual Inspections

Any of the following conditions shall cause the tank to be rejected:

- Less than minimum material thickness under any cut, dig or gouge
- Any dent with depth greater than 1/2" where it includes a weld
- Any dent with a depth greater than 10 % of the length of the dent
- Any weld defect including a crack, pinhole, or incomplete fusion of the weld
- Any structural defect or any source of leakage or any repairs made using overlay patches
- Defective, unidentified or out of test hose assemblies

Description of defects found and methods used to repair:

No defects

TANK DISPOSITION	Removed from service	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
	Safety Mark (Specification Indication) removed	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
	Returned to Service	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Tank marking applied (QC Manual Reference Section 15)	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>



1791 30th St. S.W.
 Medicine Hat, AB T1B 3N5
 Phone: (403) 527-7272
 Fax: (403) 529-6526
 Facility Registration No. 25-709

Hydrostatic Leak & Pressure Test Report in Accordance with CSA B620-14

TEST DATE: July 23, 2019

TANK OWNER: Big Steam Oilfield Services

ADDRESS: #5 Boswell Cres. Brooks, AB T1R 1B7

TELEPHONE: (403) 793-7046

VIN NO.: 5KKUALD10EPFY5410

UNIT NO.: 308

MVID/SN: 4M5NM063ME1448603

MANUFACTURER: Goldec Hamm's

MFR DATE: June 2014

MATERIAL: A1011

TANK SPEC: TC412/TC406

MAWP: 5 psi

COMP. CAPACITY: 1 2140 litres

2 6430 litres

3 2150 litres

4

5

MC/TC331: QT:

NQT:

PWHT:

TESTS PERFORMED "K"

"P"

LEAKAGE TEST "K"

(QC Manual Reference 8.3)

Test Pressure: 4.5 psi

(80% of the MAWP Min.)

Test Medium: Water

Hydrostatic Leakage Test Item	QC Man.Ref.	Complies	Reject	Retest Complies
All product piping, valves, and accessories in place. Breathing vents rendered inoperative.	8.4.2	X		
Close all internals and open all discharge valves.	8.4.4	X		
Ensure all adjacent compartments and voids are empty and open to atmosphere.	8.4.5	X		
Fill compartment with enough test medium to cover valves.	8.4.6	X		
Pressurize tank to correct pressure and hold for 5 min. (Must have 0 psi pressure drop).	8.4.7	X		
While under pressure check tank, gaskets, internal valves, manhole covers, and vents for leakage.	8.4.8	X		
Close discharge valves and open internal valves. Adjust pressure and check plumbing and discharge valves for leakage.	8.4.9	X		
Restore operation of all vents.	8.4.11	X		
Inspector: Donovan Bellamy	Signature:	Date: July 23, 2019		

PRESSURE TEST "P"

(QC Manual Reference 8.4)


Test Pressure (Tank): **7.5 psi**

(Refer to Table 7.3 of CSA B620-14 posted in fitting cabinet for appropriate test pressure)

Test Pressure (Piping): **7.5 psi**

(80% of the MAWP)

Test Medium: **Water**

Hydrostatic Pressure Test Item	QC Man Ref.	Complies	Reject	Retest Complies
Level and adequately support the tank.	8.5.1.2	X		
Remove self closing relief valves for testing.	8.5.1.3	X		
Remove or render inoperative all other relief devices and close internal valves.	8.5.1.4	X		
Ensure all remaining closures are rated at or above test pressure.	8.5.1.5	X		
Ensure adjacent compartments and voids are empty and open to atmosphere.	8.5.1.6	X		
Fill compartment completely with water.	8.5.2.1	X		
Install pressurization line and slowly increase pressure to test pressure.	8.5.2.2 & 3	X		
Disconnect pressure source and hold pressure for 10 minutes.	8.5.2.4	X		
With tank under pressure inspect exterior for leaks, defects, or distortion.	8.5.2.5	X		
Relieve pressure in tank.	8.5.2.6	X		
Close discharge valves and open internals. Pressurize tank to 80% of the MAWP. Hold for 10 minutes and check plumbing and discharge valves for leaks.	8.5.2.7	X		
Relieve pressure and drain tank.	8.5.2.9	X		
Reinstall or return all relief valves to working condition.	8.5.2.10	X		
Tank Inspector: Donovan Bellamy	Signature: 	Date: July 23, 2019		

Description of defects found and methods used to repair:
No defects

TANK DISPOSITION Removed from service Yes No

 Safety Mark (Specification Indication) removed Yes No

 Returned to Service Yes No

Tank marking applied (QC Manual Reference Section 15) Yes No



1791 30th St. S.W.
 Medicine Hat, AB T1B 3N5
 Phone: (403) 527-7272
 Fax: (403) 529-6526
 Facility Registration No. 25-0709

Inspection Report in Accordance with CSA B620-20

TEST DATE: August 12, 2022

TANK OWNER: **Big Steam Oilfield Services**

ADDRESS: **#5 Boswell Cres. Brooks, AB T1R 1B7**

TELEPHONE: (403) 793-7046

SERIAL NO.: 4M5NM063ME1448603

UNIT NO.: 308

MVID/TCRN: 412.MS.06.5.T

MANUFACTURER: Hamm's

ASSEMBLER: Hamm's

TC SPEC.: 412/406

MATERIAL: A1011

CERTIFICATION DATE: 06/2014

MINIMUM THICKNESS SHELL: 3.99 mm

MINIMUM THICKNESS HEAD: 3.99 mm

MAWP: 5 psi

DESIGN PRESSURE:

LINING: YES NO

INSULATED: YES NO

SPECIAL SERVICE CONDITIONS:

COMP. CAPACITY:

1 2140 L

2 6430 L

3 2150 L

4

5

INSPECTION PERFORMED V I P K T UC L

PRESSURE RELIEF DEVICES: SET TO DISCHARGE PRESSURE:

5 psi

#1) TYPE: Betts	SERIAL NO: PAF 406	OPEN PSI: 6.36 psi	RESEAT PSI: 6.36 psi
REINSTALLED <input checked="" type="checkbox"/>	REPAIRED <input type="checkbox"/>	REPLACED <input type="checkbox"/>	
#2) TYPE: Betts	SERIAL NO: PAF 406	OPEN PSI: 6.36 psi	RESEAT PSI: 6.36 psi
REINSTALLED <input checked="" type="checkbox"/>	REPAIRED <input type="checkbox"/>	REPLACED <input type="checkbox"/>	
#3) TYPE: Betts	SERIAL NO: PAF 406	OPEN PSI: 6.36 psi	RESEAT PSI: 6.36 psi
REINSTALLED <input checked="" type="checkbox"/>	REPAIRED <input type="checkbox"/>	REPLACED <input type="checkbox"/>	
#4) TYPE:	SERIAL NO:	OPEN PSI:	RESEAT PSI:
REINSTALLED <input type="checkbox"/>	REPAIRED <input type="checkbox"/>	REPLACED <input type="checkbox"/>	
#5) TYPE:	SERIAL NO:	OPEN PSI:	RESEAT PSI:
REINSTALLED <input type="checkbox"/>	REPAIRED <input type="checkbox"/>	REPLACED <input type="checkbox"/>	

TC 331, MC 331, MC 330, TC 51, CTC 51, DOT 51 TANKS:

CONSTRUCTED OF QUENCHED AND TEMPERED STEEL: QT

YES NO

CONSTRUCTED OF OTHER THAN QUENCHED AND TEMPERED STEEL: NQT

YES NO

TANK STRESS RELIEVED AFTER MANUFACTURE:

YES NO

TANK STRESS RELIEVED AFTER REPAIR:

YES NO

TANK STRESS RELIEF AFTER REPAIR:


COMPLETE:

LOCAL:

RECORD ALL INFORMATION FROM DATA PLATE AND TAKE PHOTOS OF DATA PLATE AND UNIT FOR FILE:

VIN:5KKUALD10EPFY5410

EXTERNAL VISUAL INSPECTION "V"

Item Inspected	QC Man.Ref.	Complies	Reject	Retest Complies
Data plate, present and legible	12.2.3	X		
Shell & heads; corrosion, dents, overlay patches, leaks, voids, etc.	12.2.4	X		
Structural members, outriggers crossmembers, etc.	12.2.5	X		
Upper coupler for cracks, corrosion, distortion, and bolt tightness	12.2.6	N/A		
Piping and valves for leakage, damage, and corrosion	12.2.7	X		
Valve operating systems, remote closures, and thermal devices	12.2.7	X		
Hoses for defects, identification and test dates	12.2.8	X		
Gaskets on full opening rear heads for damage or cuts	12.2.9	N/A		
Tank attachments to frame or running gear	12.2.10	X		
Ladders, walkways, platforms, etc.	12.2.11	X		
Fill covers, manways, and closure devices	12.2.12	X		
Relief valves and vents (replace or test if in corrosive lading Service)	12.2.13	X		
Accident damage protection; compliance, damage, distortion, corrosion	12.2.14	X		
Off truck emergency shut down system	12.2.15	X		
Inspector: Dan Laekeman	Signature: 	Date: August 12, 2022		

INTERNAL VISUAL INSPECTION "I"

Item Inspected	QC Man Ref.	Complies	Reject	Retest Complies
Interior surface for corrosion, distortion, overlay patches, cracking, etc.	12.3.2			
If required by the tank specification perform Wet Fluorescent Magnetic Particle Inspection and file report in accordance with Dynamic Industrial Solutions Procedure Number QP-16	12.3.3			
Interior welds for defects, cracking, etc.	12.3.4			
Internal supports and attachments	12.3.5			
Internal valves, piping and vents for leakage, damage, etc.	12.3.5			
Inspector:	Signature:	Date:		

Rejection Criteria for Visual Inspections

Any of the following conditions shall cause the tank to be rejected:

- Less than minimum material thickness under any cut, dig or gouge
- Any dent with depth greater than 1/2" where it includes a weld
- Any dent with a depth greater than 10 % of the length of the dent
- Any weld defect including a crack, pinhole, or incomplete fusion of the weld
- Any structural defect or any source of leakage or any repairs made using overlay patches
- Defective, unidentified or out of test hose assemblies

HYDROSTATIC LEAKAGE TEST "K" (QC Manual Reference 12.4)

Test Pressure: 3 psi


(80% of the MAWP Min.)

Test Medium: Water

Pressure Gauge Serial No.:

21821460039

Calibration Date: Jan. 13, 2022

Hydrostatic Leakage Test Item	QC Man.Ref.	Complies	Reject	Retest Complies
All product piping, valves, and accessories in place. Breathing vents rendered Inoperative.	12.4.2	X		
Close all Internals and open all discharge valves.	12.4.5	X		
Ensure all adjacent compartments and voids are empty and open to atmosphere.	12.4.6	X		
Fill compartment with enough test medium to cover valves.	12.4.7	X		
Pressurize tank to correct pressure and hold for 5 min. (Must have 0 psi pressure drop).	12.4.8	X		
While under pressure check tank, gaskets, internal valves, manhole covers, and vents for leakage.	12.4.9	X		
Close discharge valves and open Internal valves. Adjust pressure and check plumbing and discharge valves for leakage.	12.4.10	X		
Restore operation of all vents.	12.4.12	X		
Tester: Dan Laekeman	Signature: 	Date: August 12, 2022		

HYDROSTATIC PRESSURE TEST "P" (QC Manual Reference 12.5)

Test Pressure (Tank):

(Refer to Table 7.4 of CSA B620-20 posted in fitting cabinet for appropriate test pressure)

Test Pressure (Piping):

(80% of the MAWP)

Test Medium:

Pressure Gauge Serial No.:

Calibration Date:

Hydrostatic Pressure Test Item	QC Man Ref.	Complies	Reject	Retest Complies
Level and adequately support the tank.	12.5.1.3			
Remove self closing relief valves for testing.	12.5.1.4			
Remove or render inoperative all other relief devices and close internal valves.	12.5.1.5			
Ensure all remaining closures are rated at or above test pressure.	12.5.1.6			
Ensure adjacent compartments and voids are empty and open to atmosphere.	12.5.1.7			
Fill compartment completely with water.	12.5.2.1			
Install pressurization line and slowly increase pressure to test pressure.	12.5.2.2 & 3			
Disconnect pressure source and hold pressure for 10 minutes.	12.5.2.4			
With tank under pressure inspect exterior for leaks, defects, or distortion.	12.5.2.5			
Relieve pressure in tank.	12.5.2.6			
Close discharge valves and open internals. Pressurize tank to 80% of the MAWP. Hold for 10 minutes and check plumbing and discharge valves for leaks.	12.5.2.7			
Relieve pressure and drain tank.	12.5.2.9			
Reinstall or return all relief valves to working condition.	12.5.2.10			
Tester:	Signature:	Date:		

PNEUMATIC LEAKAGE TEST "K" (QC Manual Reference 12.4)

Test Pressure: (80% of the MAWP Min.)

Test Medium:

Pressure Gauge Serial No.:

Calibration Date:

Pneumatic Leakage Test Item	QC Man.Ref.	Complies	Reject	Retest Complies
All product piping, valves, and accessories in place. Breathing vents rendered inoperative.	12.4.2			
Close all internals and open all discharge valves.	12.4.5			
Ensure all adjacent compartments and voids are empty and open to atmosphere.	12.4.6			
Fill compartment with enough test medium to cover valves.	12.4.7			
Pressurize tank to correct pressure and hold for 5 min. (Must have 0 psi pressure drop).	12.4.8			
While under pressure check tank, gaskets, internal valves, manhole covers, and vents for leakage.	12.4.9			
Close discharge valves and open internal valves. Adjust pressure and check plumbing and discharge valves for leakage.	12.4.10			
Relieve pressure in tank and restore operation of all vents.	12.4.12			
Tester: _____		Signature: _____		Date: _____

NOTE: A pneumatic pressure test, with the concurrence of the tank owner shall only be performed when there is no suspicion of weakness in the tank and residual water in the tank would adversely react with the lading or the tank, or any lading retention component, or result in the formation of ice causing damage to or adversely affecting the functioning of the tank.

PNEUMATIC PRESSURE TEST "P" (QC Manual Reference 12.5)

Test Pressure (Tank):

(Refer to Table 7.4 of CSA B620-20 posted in fitting cabinet for appropriate test pressure)

Test Pressure (Piping): (80% of the MAWP)

Test Medium:

Pressure Gauge Serial No.:

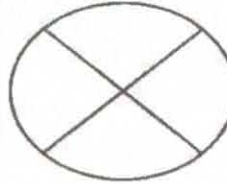
Calibration Date:

Pneumatic Pressure Test Item	QC Man Ref.	Complies	Reject	Retest Complies
Level and adequately support the tank.	12.5.1.3			
Remove self closing relief valves for testing.	12.5.1.4			
Remove or render inoperative all other relief devices and close internal valves.	12.5.1.5			
Ensure all remaining closures are rated at or above test pressure.	12.5.1.6			
Ensure adjacent compartments and voids are empty and open to atmosphere.	12.5.1.7			
Advise all personnel that a pneumatic test is being performed and that they must stay clear of the tank being tested.	12.5.3.2			
Apply pressurization line and slowly increase pressure in tank. Pressure to one half the test pressure then increase by 1/10 of test pressure until pressure is reached.	12.5.3.3- 12.5.3.5			
Hold pressure for 10 minutes, then reduce it to the MAWP.	12.5.3.6			
Maintain pressure while using soap and water to coat entire surface of all joints and around all venting and piping.	12.5.3.7			
Relieve pressure in tank, close discharge valves and open internal valves.	12.5.3.8 & 9			
Re pressurize tank to 80 % of the MAWP and hold for 10 min. Soap surface of all joints and connections in the section of plumbing being tested.	12.5.3.10 & 11			
Relieve pressure in tank.	12.5.3.12			
Reinstall or return to working condition all relief devices.	12.5.3.14			
Tester: _____		Signature: _____		Date: _____

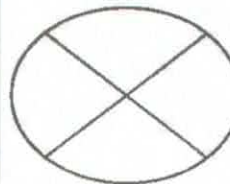
THICKNESS TEST "T" (QC Manual Reference 12.6)

	12:00	3:00	6:00	9:00	
					HEAD
1					1
2					2
3					3
4					4
5					5
6					6
7					7
8					8
9					9
10					10
11					11
					HEAD
	12:00	3:00	6:00	9:00	

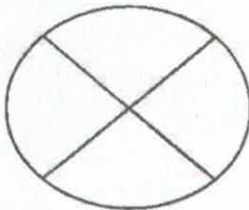
FRONT HEAD



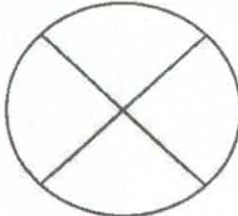
REAR HEAD



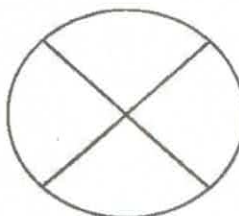
MANWAY



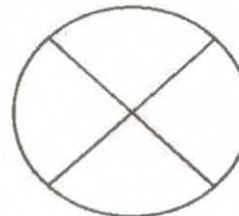
SUMP



NOZZLE



NOZZLE



Manufacture's Thickne
Minimum Thickness

Head: _____
Head: _____

Shell: _____
Shell: _____

Inspector:	Signature:	Date:
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HEATING SYSTEM TEST (QC Manual Reference 12.10)

Test Pressure

Test Medium:

Pressure Gauge Serial No.:

Calibration Date:

Heating Stsyem Test Inspection Item	QC Man.Ref.	Complies	Reject	Retest Complies
Ensure all tank compartments are empty and at atmospheric pressure	12.10.1			
Fill heating system with fluid and pressurize to 1.5 times the heating systems MAWP	12.10.2			
Hold test pressure for 5 min. And inspect for internal and external leakage	12.10.3			
If equipped with flues, inspect for product leakage into flues	12.10.4			

Inspector:	Signature:	Date:
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UPPER COUPLER INSPECTION UC (QC Manual Reference 12.2.6)

Upper Coupler Inspection Item	QC Man.Ref.	Complies	Reject	Retest Complies
Remove Upper Coupler or Turntable from unit	12.2.6			
Inspect areas covered by the Upper Coupler or Turntable assembly for corrosion, abrasion, dents, distortion or any other condition that would render the tank unsafe	12.2.6.1			
While removed inspect Upper Coupler assembly for cracks, distortion, plate wear and kingpin wear.	12.2.6.2			
If equipped, inspect Turntable for wear, distortion and cracks	12.2.6.3			
Install Upper Coupler or Turntable assembly	12.2.6.4			
Inspector:	Signature:	Date:		

LINING INSPECTION L (QC Manual Reference 12.7.2)

Upper Coupler Inspection Item	Man.Ref.	Complies	Reject	Complies
Inspect rubber liners using a spark tester and following manufacturers instructions	12.7.1.1			
Inspect all linings other than rubber or FRP corrosion barriers according to the lining manufacturers instructions	12.7.2.1			
If lining damage is discovered inspect the tank wall under the damaged lining and thickness test if required.	12.7.3.1			
Inspector:	Signature:	Date:		

Description of defects found and methods used to repair:

TANK DISPOSITION	Removed from service	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
	Safety Mark (Specification Indication) removed	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
	Returned to Service	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
Tank marking applied (QC Manual Reference Section 15)		YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>