

Assembly Number: \_\_\_\_\_

Field Assigned Serial Number: \_\_\_\_\_  
(if applicable)

Serial Number: A5580-01/16

Test Date: 1-Jan-2024  
(dd/mm/yy)

Equipment Description: Surge Tank 50psi 50BBL  
SAP: 11520759

Pump and Recorder Information  
Pump Type: Combined Pump Pressure Rating: 20000 Psi  
Recorder Type: Digital gauge Recorder set at: 15000 Psi  
Recorder Serial Number: 468066 (inches per minute)

Fill Fluid Water  Other  Description if other: \_\_\_\_\_

- Notes:
1. Always test in direction of flow unless noted.
  2. Always fill with topmost needle valve or bullplug open.
  3. Test criteria for all tests is API.
  4. Wear all PPE required for the job.
  5. Follow all safety regulations.
  6. Ensure area is clear of all non-essential personnel.
  7. If relief valves installed do not exceed 90% MAWP.

(Describe each test fully, what valves are open/closed, or lines or chokes that are blanked)

Test Number	Test Description	Test Pressure	Test Duration	Pass	Fail
Test 1	<u>Body Test</u>	<u>50</u> psi.	<u>15</u> minutes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Test 2	<u>Inlet and bypass</u>	<u>1440</u> psi.	<u>15</u> minutes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Test 3	<u>Body Test with PRV's</u>	<u>45</u> psi.	<u>15</u> minutes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Test 4		psi.	minutes	<input type="checkbox"/>	<input type="checkbox"/>
Test 5		psi.	minutes	<input type="checkbox"/>	<input type="checkbox"/>

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Recorder chart attached:  Yes  No Chart No.: \_\_\_\_\_

Test Completed by: Haider Bmad Test Witnessed by: Al-shahzaz Ahmed

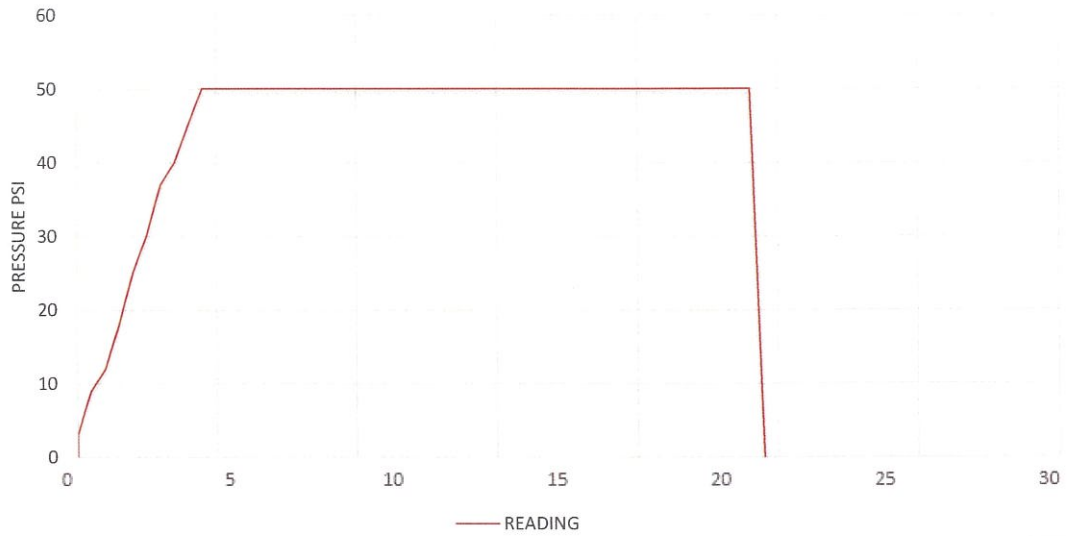


# Data Collection Report

Gauge Information	
Serial Number	468066
Model	XP2I
Message Store	TSS test area
Units	PSI
SCALE	15000 PSI

Run Info	
Start Time	10:00 AM
Stop Time	10:26 AM
Test Date	1-Jan-24
EQ NUMBER	11520759
LAST CALIB	2.Aug.2023

## READING



TESTED BY : Haider Emad  
APPROVED BY: Hassan Kamel  
COMMENTS: Body Test

SIGN: 

SIGN: H. Kamel

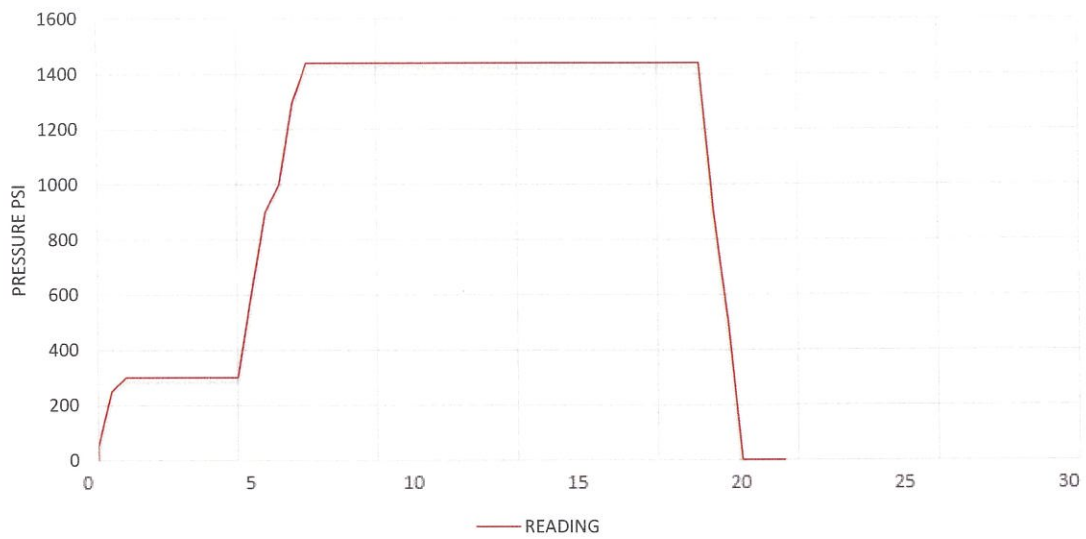


# Data Collection Report


Gauge Information	
Serial Number	468066
Model	XP2I
Message Store	TSS test area
Units	PSI
SCALE	15000 PSI

Run Info	
Start Time	10:32 AM
Stop Time	10:54 AM
Test Date	1-Jan-24
EQ NUMBER	11520759
LAST CALIB	2.Aug.2023

## READING



TESTED BY : Haider Emad  
APPROVED BY: Hassan Kamel  
COMMENTS: Inlet and bypass

SIGN:   
SIGN: H-Kamel

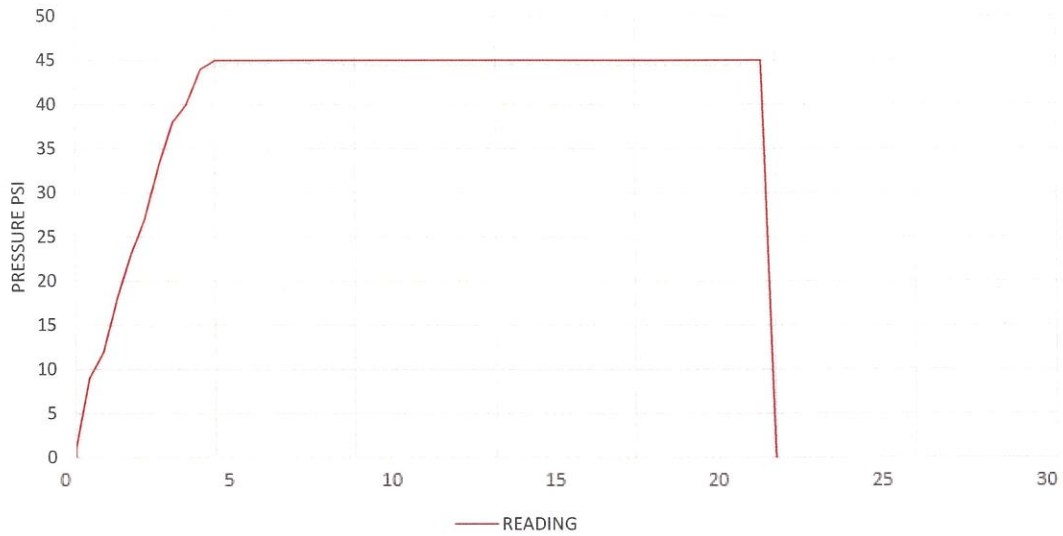


# Data Collection Report



Gauge Information	
Serial Number	468066
Model	XP2I
Message Store	TSS test area
Units	PSI
SCALE	15000 PSI

Run Info	
Start Time	11:12 AM
Stop Time	11:38 AM
Test Date	1-Jan-24
EQ NUMBER	11520759
LAST CALIB	2.Aug.2023

## READING



TESTED BY : Haider Emad  
APPROVED BY: Hassan Kamel  
COMMENTS: Body Test with PRVs

SIGN:   
SIGN: 



<b>FORM</b>					
<b>Title:</b> Surge Tank Maintenance Checklist (Major)			<b>HMS Document Number:</b> FO-GL-HAL-SWT-538C		
<b>Region:</b> Global		<b>Function/ PSL:</b> SWT/ TSS			
<b>Owner:</b> Global TSS PASQ Leader	<b>Approver:</b> SWT Product Line Manager	<b>Job Revision by:</b> SWT Global Tech Advisor	<b>Rev Date:</b> 28-JUL-2023	<b>Rev No:</b> 1.3	<b>Page:</b> 1 of 12

### 1.0 Requirements and Performance Criteria

#### MAINTENANCE PROCEDURE REFERENCE(S)

Appendix 1 - Maintenance Procedures References, Section Call Outs refer to ST-GL-HAL-SWT-510

#### SPECIAL REQUIREMENTS / COMMENTS

Section calls out references are in ST-GL-HAL-SWT-510 – Minimum Global Maintenance and Inspection Standard Table 10.1 – Maintenance and Inspection Frequency:

Summary: “ **Work to be carried out every five (5) years.**”

#### JOB RELATED PROBLEMS

EQUIPMENT RETURN DATE	MATERIAL RETURN REF No.	MAWP (PSI)	JOB HISTORY No.			
		50 psi				
SAP EQUIPMENT NUMBER	EQUIPMENT ASSEMBLY PART No.	SAP NUMBER	ASSIGNED TO			
11520759			Haider Emad			
CHART RECORD USED TYPE	SERIAL CHART RECORDER No.	SAP WORK ORDER	DATE INITIATED			
Digital gauge	468066	325816708	25-DEC-23			
EQUIPMENT DESCRIPTION		RISK ASSESMENT ID	CALIBRATION DATE CHART RECORDER			
Surge Tank 50 PSI 50BBL			2-Aug-2023			
Key OK = OK, F = Fail, RDI = Rectified During Inspection, N/A = Not Applicable TPI= Third Party Inspection (Sign off as required)			Key	Name Initials	Date DD/MM/YYYY	TPI
<b>1.0</b>	<b>SKID AND SLINGS - (Level 1 Hold Point)</b>					
1.1	Review Red Tag. Check that SAP equipment numbers are correct and visible	OK	H.E	25-12-23		
1.2	Conduct Drops inspection on all overhead equipment and document on ( <a href="#">CL-GL-HAL-TSS-301</a> )	OK	H.E	25-12-23		
1.3	Visually inspect skid is clean, free of any debris or standing water	N/A	H.E	25-12-23		
1.4	Visually check frame, flooring skid and supports for wear/damage, and cracks.	N/A	H.E	25-12-23		
1.5	Check that there are no lateral protrusions from frame envelope.	OK	H.E	25-12-23		
1.6	Check that the unit's name plates (on vessel & skid), and stenciling (SAP numbers, weight, dimensions, MWP) are clearly visible and accurate.	OK	H.E	25-12-23		
1.7	Check earth bosses are fitted, damage-free, clean, and greased	OK	H.E	25-12-23		

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1.8	Confirm bonding & grounding configuration is correct	OK	H.E	25-12-23	
1.9	Visually inspect DNV skid, lifting point and slings for damage and shackles are in good condition	N/A	H.E	25-12-23	
1.10	Prior load testing conduct NDE on each weld seam of the lift point by qualified personnel to ASNT-TC-1A level II.	N/A	H.E	25-12-23	
1.11	Perform two (2) times the loading testing of lifting points and apparatus as required <ul style="list-style-type: none"> <li><b>Note:</b> inspector(s) to update asset lifting certification and plate (witnessed &amp; confirmed by Halliburton personnel)</li> </ul>	N/A	H.E	25-12-23	
1.12	Verify Third Party Inspection load test report and certificates are accurate and complete	N/A	H.E	25-12-23	
1.13	After load testing conduct NDE on each weld seam of the lift point by qualified personnel to ASNT-TC-1A level II.	N/A	H.E	25-12-23	
1.14	After load test visually inspect DNV skid, lifting point and slings for damage and shackles are in good condition	N/A	H.E	25-12-23	
<b>2.0</b>	<b>EXTERNAL VESSEL VISUAL INSPECTION - (Level 1 Hold Point)</b>				
2.1	Confirm vessel ID plate is secured and that MAWP pressure is clearly indicated.	OK	H.E	26-12-23	
2.2	Review the last VDR ID performed since last workshop maintenance and identify if Equipment Fault reports and repair have been raised ( <a href="#">FO-GL-HAL-TSS-502</a> )	OK	H.E	26-12-23	
2.3	Physically check equipment meets with latest setup in Databook, if any deviation found submit a Management of Change, MOC ( <a href="#">Link</a> )	OK	H.E	26-12-23	
2.4	Check the vessel and pipework has been thoroughly flushed of all hydrocarbons, sand, or solids.	OK	H.E	26-12-23	
2.5	Visually inspect tank for damage, confirm no external buildup of scale or corrosion <ul style="list-style-type: none"> <li><b>Note:</b> As required in the Visual Inspection, if evidence of cracks is found, then 100% MPI, DPI or EC inspections shall be conducted on the welds of the equipment.</li> </ul>	OK	H.E	26-12-23	
2.6	Confirm no external buildup of scale or corrosion	OK	H.E	26-12-23	
2.7	Visually inspect support saddles for damage and/ or abnormalities	OK	H.E	26-12-23	
2.8	Inspect skid & supporting brackets (incl. saddles fixtures) for damage	N/A	H.E	26-12-23	
2.9	Visually check that all the nozzles are in good condition and free from excessive corrosion and pitting.	OK	H.E	26-12-23	

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<b>Owner:</b> Global TSS PASQ Leader		<b>Approver:</b> SWT Product Line Manager	<b>Job Revision by:</b> SWT Global Tech Advisor	<b>Rev Date:</b> 28-JUL-2023	<b>Rev No:</b> 1.3	<b>Page:</b> 3 of 12

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<b>3.0 DISASSEMBLY</b>					
3.1	Perform a review of the asset bill of materials (CWI and/or OEM) and confirm all recommended replacement parts/components are available prior to disassembly of the asset. <ul style="list-style-type: none"> <li>Elastomers, seal rings, packings, etc. (soft parts)</li> <li>Ancillary components (i.e., nuts, bolts, gaskets, etc.)</li> <li>Ball valves, stem, turbine, orifice, etc. (hard parts)</li> <li>Fittings (NPT, stainless steel, etc.)</li> <li>Lubrication</li> </ul> <p><b>CAUTION:</b> All spare parts have been "gr" by warehouse personnel and checked for accuracy by maintenance personnel.</p>	OK	H.E	27-12-23	
3.2	Check and confirm that all hand tools and devices are available and in good condition. <ul style="list-style-type: none"> <li><b>Note:</b> Work area should be clean and tidy with space allocated to easily &amp; safely place/store all components</li> </ul>	OK	H.E	27-12-23	
3.3	Check and confirm that OEM with details of disassembly steps is available, read and understood by all maintenance personnel prior to disassembly of the asset. <ul style="list-style-type: none"> <li><b>Note:</b> Commence disassembly in accordance to manufacturers OEM</li> </ul>	OK	H.E	27-12-23	
3.4	Remove and store slings & shackles	OK	H.E	27-12-23	
3.5	Remove fittings, instrumentation and thermowells	OK	H.E	27-12-23	
3.6	Remove all valving and piping	OK	H.E	27-12-23	
3.7	Remove all safety devices (i.e., PSV, PSH, etc)	OK	H.E	27-12-23	
3.8	Remove pressure control valve, PCV	OK	H.E	27-12-23	
3.9	Remove all level/sight glasses	OK	H.E	27-12-23	
3.10	Disassemble / strip down all components / parts	OK	H.E	27-12-23	
3.11	Check and confirm air quality, all findings are to be logged on the JSA and reviewed prior to next step: <ul style="list-style-type: none"> <li>Oxygen content is within safe levels: deficiency (not too little) / enriched (not too much)</li> <li>Hazardous atmosphere: toxic gases (i.e., H<sub>2</sub>S), flammable atmosphere (lower explosive limit, LEL),</li> <li>Ventilation is adequate and sustainable</li> </ul>	OK	H.E	27-12-23	

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<b>Owner:</b> Global TSS PASQ Leader		<b>Approver:</b> SWT Product Line Manager	<b>Job Revision by:</b> SWT Global Tech Advisor	<b>Rev Date:</b> 28-JUL-2023	<b>Rev No:</b> 1.3	<b>Page:</b> 4 of 12

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3.12	Perform confined space entry permit and appropriate JSA before opening the vessel manhole to inspect inside of.  <ul style="list-style-type: none"> <li><b>CAUTION:</b> It is mandatory to follow Confined Spaces Standard (<a href="#">ST-GL-HAL-HSE-0603</a>). A confined space entry permit must be completed prior to starting the task along with a JSA and safety meeting.</li> </ul>	OK	H.E	27-12-23	
3.13	Open vessel man hatch	OK	H.E	27-12-23	
<b>4.0</b>	<b>INTERNAL VESSEL &amp; COMPONENTS VISUAL INSPECTION</b>				
4.1	Conduct visual external inspection to identify any damage and/or abnormalities of all crossovers, check crossovers (i.e., sealing faces), and ancillary components (i.e., nuts, bolts, etc.)	OK	H.E	28-12-23	
4.2	Conduct visual external inspection to identify any damage and/or abnormalities of all valving	OK	H.E	28-12-23	
4.3	Check pipework is in good condition and free from damage and ancillary components (i.e., Nuts, bolts, etc.)	OK	H.E	28-12-23	
4.4	Inspect inlet/outlet connections for damage	OK	H.E	28-12-28	
4.5	Verify all fittings are branded (i.e., MWP, material type, etc.)	OK	H.E	28-12-28	
4.6	Inspect Weco Unions / NPT plugs looking excessive: <ul style="list-style-type: none"> <li>a) Thread flank wear</li> <li>Rounded crests</li> <li>Galling</li> <li>Corrosion Impact damage</li> </ul>	OK	H.E	28-12-23	
4.7	Visually inspect sight glasses for damage and cleanliness	OK	H.E	28-12-23	
4.8	Check manual valves are free from damage, are greased, and operating correctly	OK	H.E	28-12-23	
4.9	Check and confirm that all NPT threads & fittings are free from defects (check branding i.e., MWP, material type). <ul style="list-style-type: none"> <li><b>Note:</b> Refer to NPT Threads Usage, Identification, and Maintenance (<a href="#">GD-GL-HAL-TSS-501</a>)</li> </ul>	OK	H.E	28-12-23	
4.10	Inspect vessel man hatch for interior corrosion, erosion, produced solids, etc.	OK	H.E	28-12-23	
4.11	Conduct internal visual inspection of the vessel and its internal components to identify any damage and/or abnormalities, i.e., mist extractor, weir plate, etc.	OK	H.E	28-12-23	

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4.12	Indicate if vessel has/hasn't internal coating, and if it is in good or poor condition.	OK	H.E	28-12-23	
4.13	Check vessel internally (i.e. No loose items, scale, etc.)	OK	H.E	28-12-23	
<b>5.0</b>	<b>NON-DESTRUCTIVE EXAMINATION (NDE)</b>				
5.1	Perform and record wall thickness checks on vessel and nozzles; report if note any irregularities <a href="#">FO-GL-HAL-SWT-201</a>	OK	H.E	29-12-23	
5.2	Perform and record wall thickness checks on pipework; report if note any irregularities <a href="#">FO-GL-HAL-SWT-201</a>	OK	H.E	29-12-23	
5.3	If applicable Perform and record wall thickness checks on heating coils; report if note any irregularities <a href="#">FO-GL-HAL-SWT-201</a>	OK	H.E	29-12-23	
5.4	Perform 100% magnetic particle inspection (MPI) on vessel and saddles and list defects	OK	H.E	29-12-23	S.A
5.5	Perform 20% magnetic particle inspection (MPI) on piping and list defects <ul style="list-style-type: none"> <li><b>Note:</b> 20% yearly MPI should equate by the time of the major survey the last remaining 20% MPI on the piping = 100% MPI of the piping completed, if not, then MPI is to be performed to ensure 100% of the piping has been completed on year 5 (major).</li> </ul>	OK	H.E	29-12-23	S.A
5.6	Perform 100% magnetic particle inspection (MPI) on other components, i.e. air receiver, etc. and list defect	OK	H.E	29-12-23	S.A
5.7	Verify MPI report, certificate is accurate and complete of magnetic particle inspection (MPI), including crossovers if applicable	OK	H.E	29-12-23	S.A
<b>6.0</b>	<b>REASSEMBLY</b>				
6.1	Check and confirm that OEM with details of assembly steps is available, read and understood by all maintenance personnel prior to assembly of the asset (note: check for seal material requirements/compatibility) <ul style="list-style-type: none"> <li><b>Note:</b> Commence assembly in accordance with manufacturers OEM</li> </ul>	OK	H.E	30-12-23	
6.2	Check and confirm all elastomers have been replaced	OK	H.E	30-12-23	
6.3	Check and confirm all parts are lubricated as per OEM	OK	H.E	30-12-23	
6.4	Check fittings (i.e., branded items only, compatibility)	OK	H.E	30-12-23	
6.5	Reassembly & installation of process piping	OK	H.E	30-12-23	
6.6	Reassembly & installation of process ball valves	OK	H.E	30-12-23	

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6.7	Reassembly & installation sight glasses	OK	H.E	30-12-23	
6.8	Reassembly & installation of PCV and controllers	OK	H.E	30-12-23	
6.9	Install blind flanges where safety devices are fitted	OK	H.E	30-12-23	
6.10	Reinstall all applicable crossovers	OK	H.E	30-12-23	
6.11	Reinstall all instrumentation, tubing, fittings	OK	H.E	30-12-23	
6.12	Reinstall level alarms if applicable	OK	H.E	30-12-23	
6.13	Upon internal inspection, check the manhole cover has been closed and bolted in place to the correct torque with a new gasket	OK	H.E	30-12-23	
6.14	Upon assembled, all components are greased	OK	H.E	30-12-23	
6.15	Install original slings and shackles	OK	H.E	30-12-23	
6.16	Reinstall all components and assemblies as per P&ID	OK	H.E	30-12-23	
6.17	Clean area and perform spot checks on asset and documentation <ul style="list-style-type: none"> <li>• i.e.: old/used parts are properly disposed off and new parts inserted are documented in section Components Replaced (soft and hard parts)</li> <li>• i.e.: bolts torqued as per OEM, no clear signs of corrosion, or damage</li> </ul>	OK	H.E	30-12-23	
6.18	Conduct painting activities to ensure good conditions of asset and skid coating (i.e., paint) & stenciling (SAP numbers, dimensions, weight, MWP, etc.)	OK	H.E	30-12-23	
<b>7.0</b>	<b>INSTRUMENTATION CALIBRATION AND FUNCTION TEST – (Level 1 Hold Point)</b>				
7.1	Confirm back pressure controllers have been calibrated	OK	H.E	31-12-23	
7.2	Confirm safety devices (i.e., PRV, PSE, etc.) have been calibrated	OK	H.E	31-12-23	
7.3	Confirm measurement equipment has been checked and calibrated (i.e., dial gauges, thermometers, etc.)	OK	H.E	31-12-23	
7.4	Verify and check of all calibration reports (accuracy and completeness)	OK	H.E	31-12-23	
7.5	Confirm back pressure controller have been function tested on surge tank	OK	H.E	31-12-23	
7.6	Confirm level gauges and level alarms have been function tested on surge tank	OK	H.E	31-12-23	

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7.7	Confirm all components have been checked for proper functionality	OK	H-E	31-12-23	
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7.8	Check and test all electrical components (i.e., Lighting system) to ensure integrity (i.e., free from damage and water ingress), hazardous zoning, secured for transit and actual power requirements: i.e., phase, voltage, hertz.  <ul style="list-style-type: none"> <li><b>CAUTION:</b> Only a qualified person/party is able to perform electrical function checks/ testing</li> </ul>	N/A	H-E	31-12-23	
7.9	All electrical components (i.e., Lighting system) not intended for use but remain fitted to the asset are to be secured for transit and checked to ensure future use is not compromised.  <ul style="list-style-type: none"> <li><b>Note (1):</b> Unused cable entries are plugged with dummy plug.</li> <li><b>Note (2):</b> All mounting screws and cover (lids, gaskets, etc.) Fixing screws are properly fixed and tightened.</li> <li><b>Note (3):</b> Use of LOCK OUT/TAG OUT process, ref. <a href="#">ST-GL-HAL-HSE-0602</a> (Minimum requirement, check local &amp; location processes)</li> </ul>	N/A	H-E	31-12-23	
<b>8.0</b>	<b>PRESSURE TEST (Level 2 Hold Point)</b>				
8.1	Check and verify asset & fittings pressure integrity by visual inspections prior to installation.	OK	H-E	1-Jan-24	
8.2	Prior initiate pressure testing, review key points listed in HSE Short Pressure Test Facilities ( <a href="#">BSD-GL-HAL-HSE-0405</a> )  <ul style="list-style-type: none"> <li>Note (1): Conduct Risk Assessment and enter Risk Assessment ID. <ul style="list-style-type: none"> <li>References: <a href="#">RA-HSE-01510</a>- Pressure test within test cell, and <a href="#">RA-HSE-01555</a> - Pressure test outside of a dedicated test cell</li> </ul> </li> <li>Note (2): Ensure daily/ monthly inspections of the test cell have been carried out and upload the checklist; refer to Pressure Test Cell Daily/Monthly Inspection Checklist (CL-GL-HAL-HSE-0405)</li> <li>Note 3: Ensure pressure test facilities safety and pressure devices are operative and certifications on date, upload calibration certificates.</li> </ul>	OK	H-E	1-Jan-24	
8.3	Conduct Permit to Work. Refer to Pressure Test Permit to Work ( <a href="#">FO-GL-HAL-HSE-0405</a> )	OK	H-E	1-Jan-24	
8.4	Ensure specific pressure testing procedure have been reviewed.  <ul style="list-style-type: none"> <li><b>Note:</b> Refer to Pressure Testing Activities &amp; Requirements work method (<a href="#">WM-GL-HAL-HSE-0405A</a>)</li> </ul>	OK	H-E	1-Jan-24	
8.5	Review and copy most recent P&ID and draft up valve numbering schematic to assist with pressure testing sequence.	OK	H-E	1-Jan-24	

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<b>Title:</b> Surge Tank Maintenance Checklist (Major)			<b>HMS Document Number:</b> FO-GL-HAL-SWT-538C			
<b>Region:</b> Global		<b>Function/ PSL:</b> SWT/ TSS				
<b>Owner:</b> Global TSS PASQ Leader		<b>Approver:</b> SWT Product Line Manager	<b>Job Revision by:</b> SWT Global Tech Advisor	<b>Rev Date:</b> 28-JUL-2023	<b>Rev No:</b> 1.3	<b>Page:</b> 8 of 12

8.6	Check Inlet/ bypass pipework integrity by performing hydrostatic pressure test to MAWP (1,440 psi) – Third party witness required. Record and complete Template-Test Report, <a href="#">FO-GL-HAL-SWT-214</a> .	OK	H.E	1-Jan-24	S.A
<b>Key OK = OK, F = Fail, RDI = Rectified During Inspection, N/A = Not Applicable TPI= Third Party Inspection (Sign off as required)</b>		<b>Key</b>	<b>Name Initials</b>	<b>Date DD/MM/YYYY</b>	<b>TPI</b>
8.8	<b>TEST A</b> Check vessel and all components integrity by performing hydrostatic pressure test to 100% MAWP – Third party witness required, record and complete Template-Test Report, <a href="#">FO-GL-HAL-SWT-214</a> .	OK	H.E	1-Jan-24	S.A
8.9	<b>TEST B</b> After installing PRV pressure test to 90% PRV pressure set point – third party witness required, record and complete Template-Test Report, <a href="#">FO-GL-HAL-SWT-214</a> .	OK	H.E	1-Jan-24	S.A
8.10	Conduct further tests to ensure all valves and components are tested in full. • <b>Note:</b> Ensure valves required to hold pressure and tested at MWP	OK	H.E	1-Jan-24	
8.11	After tests are complete, bleed off all pressure, remove chart from recorder, check all data and times are recorded on the chart and it's reviewed by the Supervisor.	OK	H.E	1-Jan-24	
8.12	Drain all pressure test water from the vessel and pipework according to HSE Standards <a href="#">ST-GL-HAL-HSE-1001</a> and <a href="#">ST-GL-HAL-HSE-1014</a>	OK	H.E	1-Jan-24	
8.13	Remove all test flanges and hammer union test plugs from the vessel pipework	OK	H.E	1-Jan-24	
<b>9.0</b>	<b>VERIFICATION/ DOCUMENTATION (Level 2 Hold Point)</b>				
9.1	Check with Senior Technician or Supervisor to verify work has been completed	OK	H.E	1-Jan-24	
9.2	Review all maintenance and test documentation is completed correctly	OK	H.E	1-Jan-24	
9.3	Update MAINTAIN Equipment file and data book with all required documentation	OK	H.E	1-Jan-24	
9.4	Check all new certificates have been uploaded to the Material Master and MAINTAIN	OK	H.E	1-Jan-24	
<b>10.0</b>	<b>READY TO GO CHECKS - (Level 2 Hold Point)</b>				
10.1	Check all ID plates and metal bands are correct and properly fixed	OK	H.E	1-Jan-24	
10.2	Ensure vessel and pipework are completely empty (i.e., No spill)	OK	H.E	1-Jan-24	

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Key OK = OK, F = Fail, RDI = Rectified During Inspection, N/A = Not Applicable TPI= Third Party Inspection (Sign off as required)		Key	Name Initials	Date DD/MM/YYYY	TPI
10.3	Check all connections, threads and sealing surfaces are protected	OK	H.E	1-Jan-24	
10.4	Physically check manual valves are in the open position and that the vessel, pipework, and skid are free from standing water.	OK	H.E	1-Jan-24	
10.5	Stenciling (MAWP, H2S service, flow direction, etc.) as required	OK	H.E	1-Jan-24	
10.6	Check paintwork is in good condition, touch up as required	OK	H.E	1-Jan-24	
10.7	Ensure all instrumentation lines and tubing are stored for transport correctly	OK	H.E	1-Jan-24	
10.8	Physically check pressure controller isolation valve is open	OK	H.E	1-Jan-24	
10.9	Check interconnecting pipe spool, crossovers & flanges inventory all correct and present	OK	H.E	1-Jan-24	
10.10	Check manway is clearly marked as "DANGER CONFINED SPACE – DO NOT ENTER".	OK	H.E	1-Jan-24	
10.11	Bonding & grounding configuration is correct	OK	H.E	1-Jan-24	
10.12	Asset is lubricated (greased) as per OEM	OK	H.E	1-Jan-24	
10.13	No lateral protrusions from frame envelope	OK	H.E	1-Jan-24	
<b>11.0</b>	<b>SAP VERIFICATION - (Level 2 Hold Point)</b>				
11.1	Check all WO have been closed.	OK	H.E	1-Jan-24	
11.2	Check set Equipment tracking status to Ready to Go (RTG) has been completed	OK	H.E	1-Jan-24	
11.3	Check AMI asset to RTG has been completed • <b>Note:</b> Need verification if this is needed every time.	OK	H.E	1-Jan-24	
11.4	Check all new certs have been uploaded to the Material Master and MAINTAIN	OK	H.E	1-Jan-24	





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## 2.0 Appendix 1 - Maintenance Procedures References

<a href="#">ST-GL-HAL-SWT-510</a>	Minimum Global Maintenance & Inspection Standard
<a href="#">WM-GL-HAL-SWT-211</a>	Visual Inspection for SWT Products and Operations
<a href="#">WM-GL-HAL-TSS-902</a>	Equipment Calibration and Verification
<a href="#">GD-GL-HAL-SWT-411</a>	Operation of Surge Tank
<a href="#">FO-GL-HAL-SWT-202</a>	Permit To Work Form - Hydraulic Pressure Test
<a href="#">FO-GL-HAL-TSS-502</a>	Equipment Damage Report
<a href="#">CL-GL-HAL-TSS-301</a>	Dropped Objects Checklist

## 3.0 Revision History

Revision Date	Rev. No	Revised By	Summary of Key Changes
25.Abr.2017	1.0	Samir / McGouldrick	Release to production
25.Oct.2018	1.1	Global HMS Team	Corrected header. FO-GL-HAL-SWT-538C WAS FO-GL-HAL-SWT-528C
22.Abr.2022	1.2	Global HMS Team	Updated Revision fields and dates. No change to document.
28.Jul.2023	1.3	SWT Global Technical Advisor	Revamp document format.
Parent Document(s) Number: Not applicable			
For previous versions of this document, please contact <a href="mailto:FHOUHMS@Halliburton.com">FHOUHMS@Halliburton.com</a>			