

## MAJOR INSPECTION CERIFICATE

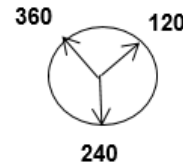
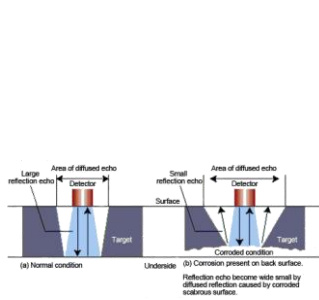
THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	<b>HALLIBURTON</b>	REPORT No.:	QC-24-01-TSS-011-NDT MAJ-001
LOCATION:	<b>TSS WORKSHOP &amp; INSPECTION TEST AREA</b>	STANDARD:	ASME SECTION VIII DIV 1 Latest Edition
WORK ORDER #	326075496	SPECIFICATION:	Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-75 Manufacturing Date Book Specialist Services
DATE:	06-JAN-2024	INSP. DUE DATE:	<b>ANNUAL INSPECTION</b>
TYPE OF INSPECTION:	<b>VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING</b>		

DESCRIPTION:	SEPARATOR VESSEL 1440 PSI	SAP NO.:	11520758
MANUFACTURER:	SPECIALIST SERVICES	SERIAL NO.:	101856365
TOP & BOTTOM MINI THICKNESS	44.5 MM	TOP & BOTTOM CORROSION ALLOWANCE	3 MM
SHELL NOMINAL THICKNESS	50 MM	SHELL CORROSION ALLOWANCE	3 MM

### INSPECTION DETAILS

Max. Working Pressure:	1440 PSI	Holding Time:	18 Min
Low pressure:	100 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. AUG.2024



ONLINE TRACEABILITY

\* ALL READINGS IN THICKNESS  
\*\* MINIMUM THICKNESS PROVIDED BY CUSTOMER

ANGLE	THICKNESS AT POSITION			MIN. THICKNESS	FINAL REMARKS
	120°	240°	360°		
SEPARATOR LEFT SIDE A1	1.932	1.971	1.962	44.5 MM 1.751 INCH	SATISFACTORY
SEPARATOR LEFT SIDE A2	1.946	1.938	1.919		
SEPARATOR LEFT SIDE A3	1.910	1.903	1.897		
SEPARATOR RIGHT SIDE B1	1.922	1.918	1.882		
SEPARATOR RIGHT SIDE B2	1.892	1.888	1.939		
SEPARATOR RIGHT SIDE B3	1.951	1.913	1.941		
SEPARATOR SHELL C	1.929	1.944	1.932	SHELL CORROSION ALLOWANCE 3 MM 0.118 INCH	
SEPARATOR SHELL D	1.917	1.921	1.941		
SEPARATOR SHELL E	1.943	1.954	1.938		
SEPARATOR SHELL F	1.952	1.942	1.937		
SEPARATOR SHELL G	1.938	1.927	1.951		
SEPARATOR SHELL H	1.914	1.933	1.926		
SEPERATOR SHELL I	1.921	1.924	1.929		

### INSPECTION RESULT

VT & MPI	Accepted	* ACCORDING TO ASTM E709(70.94158).
UT	Accepted	According to Halliburton Procedure (H2S STANDERD NACE MQ-01-75) ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services
BODY	Accepted	*** These Are The Actual Readings Need To Follow As Per Halliburton Acceptance Criteria

### Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To The Halliburton Specification ASTM E709 (70.94158)

(UT) The Above Item Was Found Acceptable As Per Halliburton Procedure H2S STANDARD NACE MQ-01-75 ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services

Pressure Test- The Above Item was Pressure Tested to 100 PSI A low Pressure Hold for 5 min And Maximum Working pressure 1440 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached

### INSPECTION EQUIPMENT DETAILS

### TECHNICAL DETAILS

AC YOKE S.N.	201504048	CAL DUE DATE	14-Feb-24	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Feb-24		Magnaflux	220602	JUN.2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	16-Feb-24	Black Magnetic Ink 7HF	MANUFACTUR E	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	16-Feb-24		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	14-Feb-24	Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3485 lux						

### PERSON DETAILS

INSPECTOR NAME:	M. Shabazz	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	ASNT CP-1	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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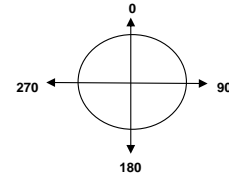
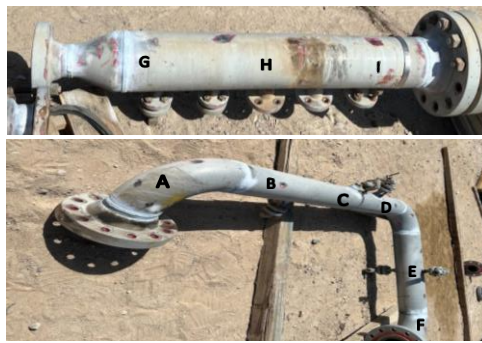


## MAJOR INSPECTION CERTIFICATE

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

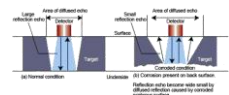
CLIENT:	<b>HALLIBURTON</b>	REPORT No.:	QC-24-01-TSS-011-NDT MAJ-002
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASME SECTION VIII DIV 1 Latest Edition
WORK ORDER #	326075496	SPECIFICATION:	Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-75 Manufacturing Date Book Specialist Services
DATE:	06-JAN-2024	INSP. DUE DATE:	<b>ANNUAL INSPECTION</b>
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

DESCRIPTION:	SEPARATOR LINE 6" 1440 PSI	SAP NO.:	11520758
MANUFACTURER:	SPECIALIST SERVICES	SERIAL NO.:	101856365
INSPECTION DETAILS			
Max. Working Pressure:	1440 PSI	Holding Time:	18 Min
Low pressure:	100 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. AUG.2024



ONLINE TRACEABILITY

A: 12° O'CLOCK / FORWARD  
 B: 3° O'CLOCK / CENTER  
 C: 6° O'CLOCK / AFT  
 \* ALL READINGS IN INCH  
 \*\* MINIMUM THICKNESS PROVIDED BY CUSTOMER



ANGLE	THICKNESS AT POSITION				NOMINAL THICKNESS	FINAL REMARKS
	0°	90°	180°	270°		
A	0.447	0.456	0.459	0.465	10.97 MM 0.431 INCH	SATISFACTORY
B	0.454	0.460	0.467	0.471		
C	0.464	0.468	0.466	0.470		
D	0.453	0.460	0.470	0.474		
E	0.457	0.465	0.463	0.472		
F	0.470	0.477	0.487	0.491		
G	0.459	0.467	0.469	0.475		
H	0.463	0.470	0.474	0.483		
I	0.479	0.484	0.480	0.489		

INSPECTION RESULT		
VT & MPI	Accepted	* ACCORDING TO ASTM E709(70.94158).
UT	Accepted	According to Halliburton Procedure (H2S STANDARD NACE MQ-01-75) ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services
BODY	Accepted	*** These Are The Actual Readings Need To Follow As Per Halliburton Acceptance Criteria

Inspection Evaluation

**(MPI)** The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To The Halliburton Specification ASTM E709 (70.94158)

**U.T**-The Above Item Was Found Acceptable As Per Halliburton Procedure H2S STANDARD NACE MQ-01-75 ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services

**Pressure Test**-The Above Item was Pressure Tested to 100 PSI A low Pressure Hold for 5 min And Maximum Working pressure 1440 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504048	CAL DUE DATE	14-Feb-24	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Feb-24		Magnaflux	220602	JUN.2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	16-Feb-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	16-Feb-24		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	14-Feb-24	Fluorescent Magnetic Ink 7HF		1.2 to 2.4 ml/100 ml	
WHITE LIGHT INTENSITY:	3570 lux						

PERSON DETAILS			
INSPECTOR NAME:	M.Shahzad AH	SENIOR INSPECTOR:	NAVEED HUSSAIN
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI
SIGNATURE & STAMP:			CLIENT:
			DATE:

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**AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED**

Basra, North Rumaila, Quality Control Yard - Iraq

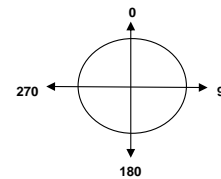


**MAJOR INSPECTION CERTIFICATE**

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

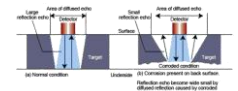
CLIENT:	<b>HALLIBURTON</b>	REPORT No.:	QC-24-01-TSS-011-NDT MAJ-003
LOCATION:	<b>TSS WORKSHOP &amp; INSPECTION TEST AREA</b>	STANDARD:	ASME SECTION VIII DIV 1 Latest Edition
WORK ORDER #	326075496	SPECIFICATION:	Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-75 Manufacturing Date Book Specialist Services
DATE:	06-JAN-2024	INSP. DUE DATE:	<b>ANNUAL INSPECTION</b>
TYPE OF INSPECTION:	<b>VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING</b>		

DESCRIPTION:	SEPARATOR LINE 4" 1440 PSI	SAP NO.:	11520758
MANUFACTURER:	SPECIALIST SERVICES	SERIAL NO.:	101856365
<b>INSPECTION DETAILS</b>			
Max. Working Pressure:	1440 PSI	Holding Time:	18 Min
Low pressure:	100 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. AUG.2024



ONLINE TRACEABILITY

A:12'O CLOCK / FORWARD  
B:3'O CLOCK / CENTER  
C:6'O CLOCK / AFT  
\* ALL READINGS IN INCH  
\*\* MINIMUM THICKNESS PROVIDED BY CUSTOMER



ANGLE	THICKNESS AT POSITION				NOMINAL THICKNESS	FINAL REMARKS
	0°	90°	180°	270°		
A	0.315	0.324	0.327	0.333	11.07 MM 0.435 INCH	SATISFACTORY
B	0.322	0.328	0.335	0.339		
C	0.332	0.336	0.334	0.338		
D	0.321	0.328	0.338	0.342		
E	0.325	0.333	0.331	0.340		
F	0.338	0.345	0.355	0.359		
G	0.327	0.335	0.337	0.343		
H	0.331	0.338	0.342	0.351		
I	0.347	0.352	0.348	0.357		

<b>INSPECTION RESULT</b>		
VT & MPI	Accepted	* ACCORDING TO ASTM E709(70.94158).
UT	Accepted	According to Halliburton Procedure (H2S STANDERD NACE MQ-01-75) ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services
BODY	Accepted	*** These Are The Actual Readings Need To Follow As Per Halliburton Acceptance Criteria

**Inspection Evaluation**

**(MPI)** The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To The Halliburton Specification ASTM E709 (70.94158)

**U.T**-The Above Item Was Found Acceptable As Per Halliburton Procedure H2S STANDARD NACE MQ-01-75 ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services

**Pressure Test**-The Above Item was Pressure Tested to 100 PSI A low Pressure Hold for 5 min And Maximum Working pressure 1440 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504048	CAL DUE DATE	14-Feb-24	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Feb-24		Magnaflux	220602	JUN.2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	16-Feb-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	16-Feb-24		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	14-Feb-24	Fluorescent Magnetic Ink 7HF		1.2 to 2.4 ml/100 ml	
WHITE LIGHT INTENSITY:	3570 lux						

<b>PERSON DETAILS</b>					
INSPECTOR NAME:	M.Shahzad AH	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI	HR&SIGN	
SIGNATURE & STAMP:				DATE:	

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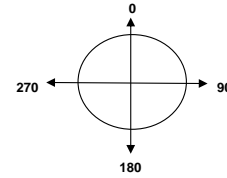
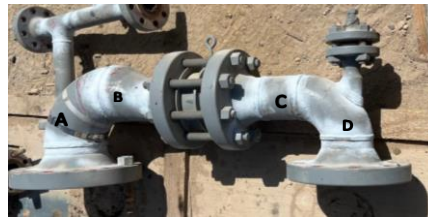


## MAJOR INSPECTION CERTIFICATE

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	<b>HALLIBURTON</b>	REPORT No.:	QC-24-01-TSS-011-NDT MAJ-004
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASME SECTION VIII DIV 1 Latest Edition
WORK ORDER #	326075496	SPECIFICATION:	Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-75 Manufacturing Date Book Specialist Services
DATE:	06-JAN-2024	INSP. DUE DATE:	<b>ANNUAL INSPECTION</b>
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

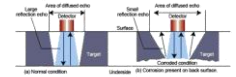
DESCRIPTION:	SEPARATOR LINE 4"1440 PSI	SAP NO.:	11520758
MANUFACTURER:	SPECIALIST SERVICES	SERIAL NO.:	101856365
INSPECTION DETAILS			
Max. Working Pressure:	1440 PSI	Holding Time:	18 Min
Low pressure:	100 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. AUG.2024



ONLINE TRACEABILITY

A:12'O CLOCK / FORWARD  
B:3'O CLOCK / CENTER  
C:6'O CLOCK / AFT

\* ALL READINGS IN INCH  
\*\*MINIMUM THICKNESS PROVIDED BY CUSTOMER



ANGLE	THICKNESS AT POSITION				NOMINAL THICKNESS	FINAL REMARKS
	0°	90°	180°	270°		
A	0.314	0.323	0.326	0.332	11.07 MM 0.435 INCH	<b>SATISFACTORY</b>
B	0.321	0.327	0.334	0.338		
C	0.331	0.335	0.333	0.337		
D	0.320	0.327	0.337	0.341		
E	0.324	0.332	0.330	0.339		
F	0.337	0.344	0.354	0.358		

### INSPECTION RESULT

VT & MPI	Accepted	* ACCORDING TO ASTM E709(70.94158).
UT	Accepted	According to Halliburton Procedure (H2S STANDERD NACE MQ-01-75) ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services
BODY	Accepted	*** These Are The Actual Readings Need To Follow As Per Halliburton Acceptance Criteria

### Inspection Evaluation

**(MPI)** The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To The Halliburton Specification ASTM E709 (70.94158)

**U.T-** The Above Item Was Found Acceptable As Per Halliburton Procedure H2S STANDARD NACE MQ-01-75 ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services

**Pressure Test-** The Above Item was Pressure Tested to 100 PSI A low Pressure Hold for 5 min And Maximum Working pressure 1440 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504048	CAL DUE DATE	14-Feb-24	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Feb-24		Magnaflux	220602	JUN.2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	16-Feb-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	16-Feb-24		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	14-Feb-24	Fluorescent Magnetic Ink 7HF		1.2 to 2.4 ml/100 ml	
WHITE LIGHT INTENSITY:	3570 lux						

### PERSON DETAILS

INSPECTOR NAME:	M.Shahzad Ali	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI	HR&SIGN	
SIGNATURE & STAMP:				DATE:	

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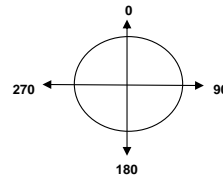


## MAJOR INSPECTION CERIFICATE

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	<b>HALLIBURTON</b>	REPORT No.:	QC-24-01-TSS-011-NDT MAJ-005
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASME SECTION VIII DIV 1 Latest Edition
WORK ORDER #	326075496	SPECIFICATION:	Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-75 Manufacturing Date Book Specialist Services
DATE:	06-JAN-2024	INSP. DUE DATE:	<b>ANNUAL INSPECTION</b>
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

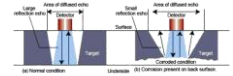
DESCRIPTION:	SEPARATOR LINE 3"1440 PSI	SAP NO.:	11520758
MANUFACTURER:	SPECIALIST SERVICES	SERIAL NO.:	101856365
INSPECTION DETAILS			
Max. Working Pressure:	1440 PSI	Holding Time:	18 Min
Low pressure:	100 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. AUG.2024



ONLINE TRACEABILITY

A:12'O CLOCK / FORWARD  
B:3'O CLOCK / CENTER  
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\* ALL READINGS IN INCH  
\*\*MINIMUM THICKNESS PROVIDED BY CUSTOMER



ANGLE	THICKNESS AT POSITION				NOMINAL THICKNESS	FINAL REMARKS
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B	0.314	0.320	0.327	0.331		
C	0.324	0.328	0.326	0.330		
D	0.313	0.320	0.330	0.334		
E	0.317	0.325	0.323	0.332		
F	0.330	0.337	0.347	0.351		
G	0.319	0.327	0.329	0.335		
H	0.323	0.330	0.334	0.343		
I	0.339	0.344	0.340	0.349		

### INSPECTION RESULT

VT & MPI	Accepted	* ACCORDING TO ASTM E709(70.94158).
UT	Accepted	According to Halliburton Procedure (H2S STANDERD NACE MQ-01-75) ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services
BODY	Accepted	*** These Are The Actual Readings Need To Follow As Per Halliburton Acceptance Criteria

### Inspection Evaluation

**(MPI)** The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To The Halliburton Specification ASTM E709 (70.94158)

**U.T-**The Above Item Was Found Acceptable As Per Halliburton Procedure H2S STANDARD NACE MQ-01-75 ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services

**Pressure Test-**The Above Item was Pressure Tested to 100 PSI A low Pressure Hold for 5 min And Maximum Working pressure 1440 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504048	CAL DUE DATE	14-Feb-24	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Feb-24		Magnaflux	220602	JUN.2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	16-Feb-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	16-Feb-24		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	14-Feb-24	Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3570 lux						

### PERSON DETAILS

INSPECTOR NAME:	M.Shahad ALI	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI	DESIGN:	
SIGNATURE & STAMP:				DATE:	

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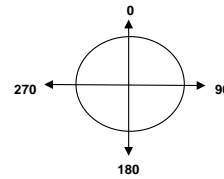


## MAJOR INSPECTION CERTIFICATE

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	<b>HALLIBURTON</b>	REPORT No.:	QC-24-01-TSS-011-NDT MAJ-006
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASME SECTION VIII DIV 1 Latest Edition
WORK ORDER #	326075496	SPECIFICATION:	Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-75 Manufacturing Date Book Specialist Services
DATE:	06-JAN-2024	INSP. DUE DATE:	<b>ANNUAL INSPECTION</b>
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

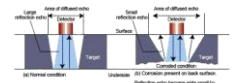
DESCRIPTION:	SEPARATOR LINE 2"1440 PSI	SAP NO.:	11520758
MANUFACTURER:	SPECIALIST SERVICES	SERIAL NO.:	101856365
INSPECTION DETAILS			
Max. Working Pressure:	1440 PSI	Holding Time:	18 Min
Low pressure:	100 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. AUG.2024



ONLINE TRACEABILITY

A:12'O CLOCK / FORWARD  
B:3'O CLOCK / CENTER  
C:6'O CLOCK / AFT

\* ALL READINGS IN INCH  
\*\*MINIMUM THICKNESS PROVIDED BY CUSTOMER



ANGLE	THICKNESS AT POSITION				NOMINAL THICKNESS	FINAL REMARKS
	0°	90°	180°	270°		
A	0.232	0.241	0.244	0.250	11.13 MM 0.438 INCH	SATISFACTORY
B	0.239	0.245	0.252	0.256		
C	0.249	0.253	0.251	0.255		
D	0.238	0.245	0.255	0.259		
E	0.242	0.250	0.248	0.257		
F	0.255	0.262	0.272	0.276		
G	0.244	0.252	0.254	0.260		
H	0.248	0.255	0.259	0.268		
I	0.264	0.269	0.265	0.274		

### INSPECTION RESULT

VT & MPI	Accepted	* ACCORDING TO ASTM E709(70.94158).
UT	Accepted	According to Halliburton Procedure (H2S STANDERD NACE MQ-01-75) ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services
BODY	Accepted	*** These Are The Actual Readings Need To Follow As Per Halliburton Acceptance Criteria

### Inspection Evaluation

**(MPI)** The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To The Halliburton Specification ASTM E709 (70.94158)

**U.T**-The Above Item Was Found Acceptable As Per Halliburton Procedure H2S STANDARD NACE MQ-01-75 ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services

**Pressure Test**-The Above Item was Pressure Tested to 100 PSI A low Pressure Hold for 5 min And Maximum Working pressure 1440 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504048	CAL DUE DATE	14-Feb-24	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Feb-24		Magnaflux	220602	JUN.2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	16-Feb-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	16-Feb-24		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	14-Feb-24	Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3570 lux						

### PERSON DETAILS

INSPECTOR NAME:	M.Shahad ALI	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI	HDRSIGN:	
SIGNATURE & STAMP:				DATE:	

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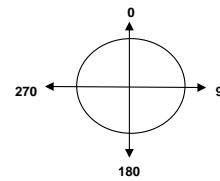


## MAJOR INSPECTION CERIFICATE

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	<b>HALLIBURTON</b>	REPORT No.:	QC-24-01-TSS-011-NDT MAJ-007
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASME SECTION VIII DIV 1 Latest Edition
WORK ORDER #	326075496	SPECIFICATION:	Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-75 Manufacturing Date Book Specialist Services
DATE:	06-JAN-2024	INSP. DUE DATE:	<b>ANNUAL INSPECTION</b>
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

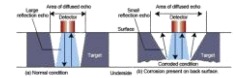
DESCRIPTION:	SEPARATOR LINE 2"1440 PSI	SAP NO.:	11520758
MANUFACTURER:	SPECIALIST SERVICES	SERIAL NO.:	101856365
<b>INSPECTION DETAILS</b>			
Max. Working Pressure:	1440 PSI	Holding Time:	18 Min
Low pressure:	100 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. AUG.2024



ONLINE TRACEABILITY

A:12'O CLOCK / FORWARD  
B:3'O CLOCK / CENTER  
C:6'O CLOCK / AFT

\* ALL READINGS IN INCH  
\*\*MINIMUM THICKNESS PROVIDED BY CUSTOMER



ANGLE	THICKNESS AT POSITION				NOMINAL THICKNESS	FINAL REMARKS
	0°	90°	180°	270°		
A	0.241	0.250	0.253	0.259	11.13 MM 0.438 INCH	<b>SATISFACTORY</b>
B	0.248	0.254	0.261	0.265		
C	0.258	0.262	0.260	0.264		
D	0.247	0.254	0.264	0.268		
E	0.251	0.259	0.257	0.266		
F	0.264	0.271	0.281	0.285		
G	0.253	0.261	0.263	0.269		
H	0.257	0.264	0.268	0.277		
I	0.273	0.278	0.274	0.283		

### INSPECTION RESULT

VT & MPI	Accepted	* ACCORDING TO ASTM E709(70.94158).
UT	Accepted	According to Halliburton Procedure (H2S STANDERD NACE MQ-01-75) ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services
BODY	Accepted	*** These Are The Actual Readings Need To Follow As Per Halliburton Acceptance Criteria

### Inspection Evaluation

**(MPI)** The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To The Halliburton Specification ASTM E709 (70.94158)

**U.T-** The Above Item Was Found Acceptable As Per Halliburton Procedure H2S STANDARD NACE MQ-01-75 ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services

**Pressure Test-** The Above Item was Pressure Tested to 100 PSI A low Pressure Hold for 5 min And Maximum Working pressure 1440 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached



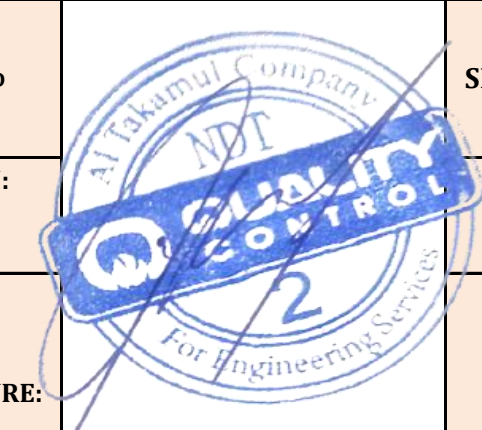
INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504048	CAL DUE DATE	14-Feb-24	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Feb-24		Magnaflux	220602	JUN.2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	16-Feb-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	16-Feb-24		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	14-Feb-24	Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3570 lux						

### PERSON DETAILS

INSPECTOR NAME:	M.Shahad AL	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI	HRASIGN	
SIGNATURE & STAMP:				DATE:	

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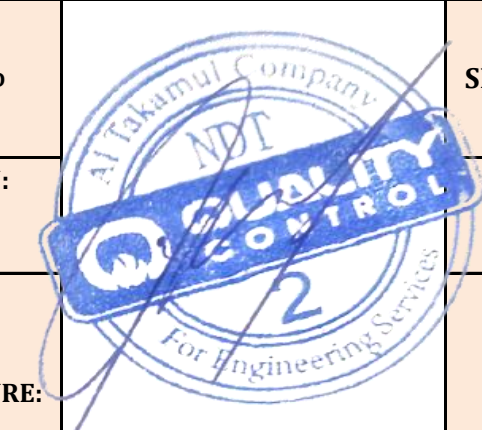




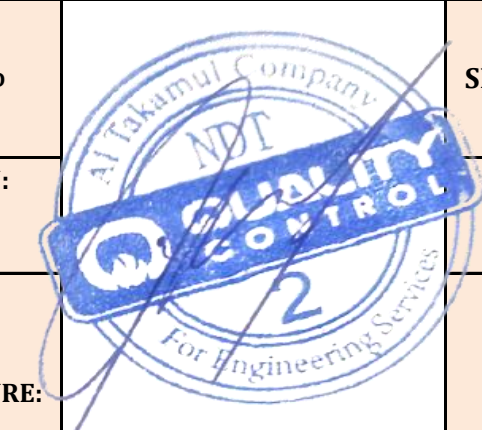
<b>MAJOR INSPECTION CERIFICATE</b>									
<b>Client:</b>		HALLIBURTON (TSS)			<b>Report No:</b>		QC-24-01-TSS-011-NDT MAJ-008		
<b>Location:</b>		TSS WORKSHOP & INSPECTION TEST AREA			<b>WORK ORDER</b>		326075496		
<b>Date:</b>		06.JAN, 2024			<b>Next Inspection Date:</b>		ANNUAL INSPECTION		
<b>Type Of Inspection:</b>		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			<b>Specification:</b>		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A		
					<b>UNIT DESCRIPTION:</b>		3" 600 BALON VALVE		
					<b>UNIT S/N:</b>		00DGB		
					<b>SEPARATOR S/N:</b>		11520758		
					<b>INSPECTION RESULT :</b>				
					<b>VISUAL , THOROUGH EXAMINATION</b>		VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION		
					<b>MAGNETIC PARTICLE INSPECTION</b>		Avaliable critical areas inspected and found free from cracks and other defects		
					<b>FINAL RESULTS</b>		THE ABOVE INSPECTED AREAS WAS ACCEPTED		
<b>COMMENT:</b>									
Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast									
EQUIPMENT DETAILS					PERSON DETAILS			REVIEW BY	
<b>EQUIPMENT :</b>	AC/DC HAND Yoke	<b>EQUIPMENT :</b>	ASTM Test Block	<b>EQUIPMENT :</b>	UV BLACK LIGHT: 3140 µw/cm <sup>2</sup>	<b>INSPECTOR NAME:</b> M.SHAHZAD AHMED		<b>SENIOR INSPECTOR:</b>	NAVEED HUSSAIN
<b>S.NO:</b>	201504048	<b>S.NO:</b>	1657	<b>S.NO:</b>	1932401	<b>QUALIFICATION:</b> ASNT LEVEL II MT & PT & VT		<b>SUPERVISOR:</b>	HANI ALI
<b>Cal Due Date:</b>	14.FEB.2024	<b>Cal Due Date:</b>	14.FEB.2024	<b>Cal Due Date:</b>	14.FEB.2024			<b>CLIENT:</b>	
<b>FLUORESCENT 14HF</b>		Magnaflux	<b>Batch No:</b>	220306	<b>EXPIRE DATE:</b>	MARCH,2025			
<b>Whie Contrast Paint Manufacture:</b>		Magnaflux	<b>Batch No:</b>	220602	<b>EXPIRE DATE:</b>	JUN,2025			
<b>Digital Lux Meter WHITE LIGHT INTENSITY:</b>		<b>TECHNICAL DETAILS</b>			<b>Black Magnetic Ink Manufacture:7HF</b>		<b>STAMP &amp; SIGNATURE:</b>		
3640 Lux/S.NO:2722003		Wet FLUORESCENT Particle Concentration 14 HF		0.1 to 0.4 ml/100 ml		Batch No:220605			
<b>Cal Due Date:16.FEB.2024</b>		Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml		<b>EXPIRE DATE:</b>		Jul-25	

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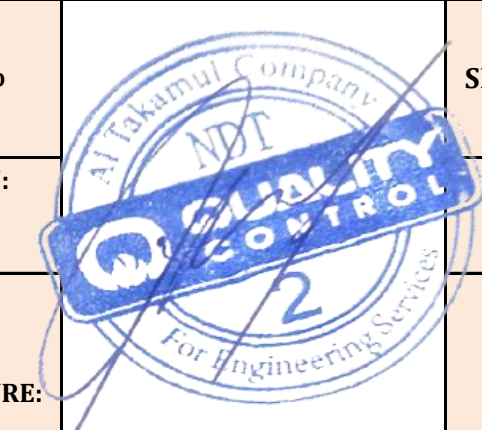
MAJOR INSPECTION CERIFICATE											
Client: HALLIBURTON (TSS)			Report No: QC-24-01-TSS-011-NDT MAJ-009								
Location: TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER: 326075496								
Date: 06.JAN, 2024			Next Inspection Date: ANNUAL INSPECTION								
Type Of Inspection: VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			Specification: ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A								
						UNIT DESCRIPTION: 3" 600 BALON VALVE					
						UNIT S/N: 01JQC					
						SEPARATOR S/N: 11520758					
						INSPECTION RESULT :					
						VISUAL , THOROUGH EXAMINATION		VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION			
						MAGNETIC PARTICLE INSPECTION		Avaliable critical areas inspected and found free from cracks and other defects			
						FINAL RESULTS		THE ABOVE INSPECTED AREAS WAS ACCEPTED			
COMMENT:											
Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast											
EQUIPMENT DETAILS						PERSON DETAILS		REVIEW BY			
EQUIPMENT : HAND Yoke AC/DC		EQUIPMENT : ASTM Test Block		EQUIPMENT : UV BLACK LIGHT: 3140 μw/cm <sup>2</sup>		INSPECTOR NAME: M.SHAHZAD AHMED		SENIOR INSPECTOR: NAVEED HUSSAIN			
S.NO: 201504048		S.NO: 1657		S.NO: 1932401							
Cal Due Date: 14.FEB.2024		Cal Due Date: 14.FEB.2024		Cal Due Date: 14.FEB.2024							
FLUORESCENT 14HF		Magnaflux		Batch No: 220306		EXPIRE DATE: MARCH,2025		QUALIFICATION: ASNT LEVEL II MT & PT & VT			
Whie Contrast Paint Manufacture:		Magnaflux		Batch No: 220602		EXPIRE DATE: JUN,2025					
Digital Lux Meter WHITE LIGHT INTENSITY:		TECHNICAL DETAILS				Black Magnetic Ink Manufacture:7HF					
3640 Lux/S.NO:2722003		Wet FLUORESCENT Particle Concentration 14 HF		0.1 to 0.4 ml/100 ml		Batch No:220605		STAMP & SIGNATURE: 			
Cal Due Date:16.FEB.2024		Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml		EXPIRE DATE: Jul-25					
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<b>MAJOR INSPECTION CERIFICATE</b>											
<b>Client:</b>		HALLIBURTON (TSS)			<b>Report No:</b>		QC-24-01-TSS-011-NDT MAJ-010				
<b>Location:</b>		TSS WORKSHOP & INSPECTION TEST AREA			<b>WORK ORDER</b>		326075496				
<b>Date:</b>		06.JAN, 2024			<b>Next Inspection Date:</b>		ANNUAL INSPECTION				
<b>Type Of Inspection:</b>		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			<b>Specification:</b>		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A				
					<b>UNIT DESCRIPTION:</b>		3" 600 BALON VALVE				
					<b>UNIT S/N:</b>		F63N				
					<b>SEPARATOR S/N:</b>		11520758				
					<b>INSPECTION RESULT :</b>						
					<b>VISUAL , THOROUGH EXAMINATION</b>		VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION				
					<b>MAGNETIC PARTICLE INSPECTION</b>		Avaliable critical areas inspected and found free from cracks and other defects				
					<b>FINAL RESULTS</b>		THE ABOVE INSPECTED AREAS WAS ACCEPTED				
<b>COMMENT:</b>											
Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast											
EQUIPMENT DETAILS					PERSON DETAILS			REVIEW BY			
<b>EQUIPMENT :</b>	AC/DC HAND Yoke	<b>EQUIPMENT :</b>	ASTM Test Block	<b>EQUIPMENT :</b>	UV BLACK LIGHT: 3140 µw/cm <sup>2</sup>			<b>SENIOR INSPECTOR:</b>	NAVEED HUSSAIN		
<b>S.NO:</b>	201504048	<b>S.NO:</b>	1657	<b>S.NO:</b>	1932401			<b>QUALIFICATION:</b>	ASNT LEVEL II MT & PT & VT	<b>SUPERVISOR:</b>	HANI ALI
<b>Cal Due Date:</b>	14.FEB.2024	<b>Cal Due Date:</b>	14.FEB.2024	<b>Cal Due Date:</b>	14.FEB.2024			<b>STAMP &amp; SIGNATURE:</b>		<b>CLIENT:</b>	
<b>FLUORESCENT 14HF</b>		Magnaflux	<b>Batch No:</b>	220306	<b>EXPIRE DATE:</b>	MARCH,2025					
<b>Whie Contrast Paint Manufacture:</b>		Magnaflux	<b>Batch No:</b>	220602	<b>EXPIRE DATE:</b>	JUN,2025					
<b>TECHNICAL DETAILS</b>					<b>Black Magnetic Ink Manufacture:7HF</b>						
<b>Digital Lux Meter WHITE LIGHT INTENSITY:</b>					<b>Batch No:220605</b>						
3640 Lux/S.NO:2722003		<b>Wet FLUORESCENT Particle Concentration 14 HF</b>		0.1 to 0.4 ml/100 ml							
<b>Cal Due Date:16.FEB.2024</b>		<b>Black Magnetic Ink Concentration 7 HF</b>		1.2 to 2.4 ml/100 ml		<b>EXPIRE DATE:</b>		Jul-25			

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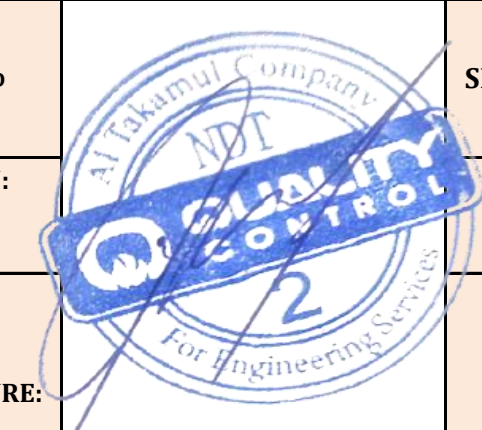
QC/FN/MPI/065 Rev.00 DATED 07 NOV 2021

<b>MAJOR INSPECTION CERIFICATE</b>										
<b>Client:</b>		HALLIBURTON (TSS)			<b>Report No:</b>		QC-24-01-TSS-011-NDT MAJ-011			
<b>Location:</b>		TSS WORKSHOP & INSPECTION TEST AREA			<b>WORK ORDER</b>		326075496			
<b>Date:</b>		06.JAN, 2024			<b>Next Inspection Date:</b>		ANNUAL INSPECTION			
<b>Type Of Inspection:</b>		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			<b>Specification:</b>		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A			
					<b>UNIT DESCRIPTION:</b>		3" 600 BALON VALVE			
					<b>UNIT S/N:</b>		2WM8			
					<b>SEPARATOR S/N:</b>		11520758			
					<b>INSPECTION RESULT :</b>					
					<b>VISUAL , THOROUGH EXAMINATION</b>		VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION			
					<b>MAGNETIC PARTICLE INSPECTION</b>		Avaliable critical areas inspected and found free from cracks and other defects			
					<b>FINAL RESULTS</b>		THE ABOVE INSPECTED AREAS WAS ACCEPTED			
<b>COMMENT:</b>										
Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast										
EQUIPMENT DETAILS					PERSON DETAILS		REVIEW BY			
<b>EQUIPMENT :</b>	AC/DC HAND Yoke	<b>EQUIPMENT :</b>	ASTM Test Block	<b>EQUIPMENT :</b>	UV BLACK LIGHT: 3140 µw/cm <sup>2</sup>		<b>INSPECTOR NAME:</b>	M.SHAHZAD AHMED	<b>SENIOR INSPECTOR:</b>	NAVEED HUSSAIN
<b>S.NO:</b>	201504048	<b>S.NO:</b>	1657	<b>S.NO:</b>	1932401		<b>QUALIFICATION:</b>	ASNT LEVEL II MT & PT & VT	<b>SUPERVISOR:</b>	HANI ALI
<b>Cal Due Date:</b>	14.FEB.2024	<b>Cal Due Date:</b>	14.FEB.2024	<b>Cal Due Date:</b>	14.FEB.2024		<b>STAMP &amp; SIGNATURE:</b>	<b>CLIENT:</b>		
<b>FLUORESCENT 14HF</b>		Magnaflux	<b>Batch No:</b>	220306	<b>EXPIRE DATE:</b>	MARCH,2025				
<b>Whie Contrast Paint Manufacture:</b>		Magnaflux	<b>Batch No:</b>	220602	<b>EXPIRE DATE:</b>	JUN,2025				
<b>Digital Lux Meter WHITE LIGHT INTENSITY:</b>		<b>TECHNICAL DETAILS</b>			<b>Black Magnetic Ink Manufacture:7HF</b>					
3640 Lux/S.NO:2722003		<b>Wet FLUORESCENT Particle Concentration 14 HF</b>		0.1 to 0.4 ml/100 ml		<b>Batch No:220605</b>				
<b>Cal Due Date:16.FEB.2024</b>		<b>Black Magnetic Ink Concentration 7 HF</b>		1.2 to 2.4 ml/100 ml		<b>EXPIRE DATE:</b>		Jul-25		

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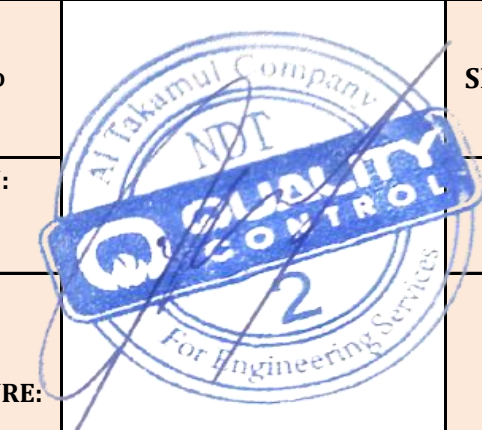
QC/FN/MPI/065 Rev.00 DATED 07 NOV 2021

<b>MAJOR INSPECTION CERIFICATE</b>											
<b>Client:</b>		HALLIBURTON (TSS)			<b>Report No:</b>		QC-24-01-TSS-011-NDT MAJ-012				
<b>Location:</b>		TSS WORKSHOP & INSPECTION TEST AREA			<b>WORK ORDER</b>		326075496				
<b>Date:</b>		06.JAN, 2024			<b>Next Inspection Date:</b>		ANNUAL INSPECTION				
<b>Type Of Inspection:</b>		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			<b>Specification:</b>		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A				
					<b>UNIT DESCRIPTION:</b>		4" 600 BALON VALVE				
					<b>UNIT S/N:</b>		7HGE				
					<b>SEPARATOR S/N:</b>		11520758				
					<b>INSPECTION RESULT :</b>						
					<b>VISUAL , THOROUGH EXAMINATION</b>		VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION				
					<b>MAGNETIC PARTICLE INSPECTION</b>		Avaliable critical areas inspected and found free from cracks and other defects				
					<b>FINAL RESULTS</b>		THE ABOVE INSPECTED AREAS WAS ACCEPTED				
<b>COMMENT:</b>											
Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast											
EQUIPMENT DETAILS					PERSON DETAILS			REVIEW BY			
<b>EQUIPMENT :</b>	AC/DC HAND Yoke	<b>EQUIPMENT :</b>	ASTM Test Block	<b>EQUIPMENT :</b>	UV BLACK LIGHT: 3140 µw/cm <sup>2</sup>	<b>INSPECTOR NAME:</b> M.SHAHZAD AHMED		<b>SENIOR INSPECTOR:</b>	NAVEED HUSSAIN		
<b>S.NO:</b>	201504048	<b>S.NO:</b>	1657	<b>S.NO:</b>	1932401			<b>SUPERVISOR:</b>	HANI ALI		
<b>Cal Due Date:</b>	14.FEB.2024	<b>Cal Due Date:</b>	14.FEB.2024	<b>Cal Due Date:</b>	14.FEB.2024			<b>QUALIFICATION:</b> ASNT LEVEL II MT & PT & VT		<b>CLIENT:</b>	
<b>FLUORESCENT 14HF</b>		Magnaflux	<b>Batch No:</b>	220306	<b>EXPIRE DATE:</b>	MARCH,2025					
<b>Whie Contrast Paint Manufacture:</b>		Magnaflux	<b>Batch No:</b>	220602	<b>EXPIRE DATE:</b>	JUN,2025					
<b>Digital Lux Meter WHITE LIGHT INTENSITY:</b>		<b>TECHNICAL DETAILS</b>			<b>Black Magnetic Ink Manufacture:7HF</b>		<b>STAMP &amp; SIGNATURE:</b>				
3640 Lux/S.NO:2722003		<b>Wet FLUORESCENT Particle Concentration 14 HF</b>		0.1 to 0.4 ml/100 ml		<b>Batch No:220605</b>					
<b>Cal Due Date:16.FEB.2024</b>		<b>Black Magnetic Ink Concentration 7 HF</b>		1.2 to 2.4 ml/100 ml		<b>EXPIRE DATE:</b>		Jul-25			

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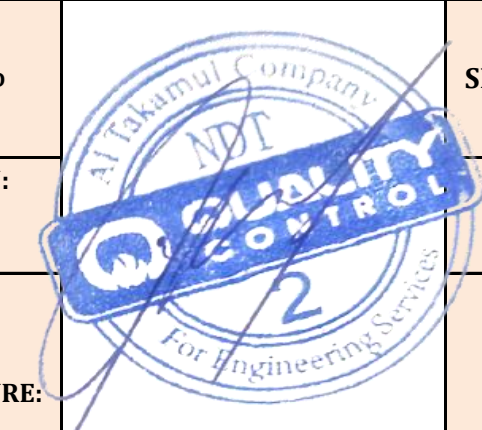
QC/FN/MPI/065 Rev.00 DATED 07 NOV 2021

<b>MAJOR INSPECTION CERIFICATE</b>											
<b>Client:</b>		HALLIBURTON (TSS)			<b>Report No:</b>		QC-24-01-TSS-011-NDT MAJ-013				
<b>Location:</b>		TSS WORKSHOP & INSPECTION TEST AREA			<b>WORK ORDER</b>		326075496				
<b>Date:</b>		06.JAN, 2024			<b>Next Inspection Date:</b>		ANNUAL INSPECTION				
<b>Type Of Inspection:</b>		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			<b>Specification:</b>		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A				
					<b>UNIT DESCRIPTION:</b>		4" 600 BALON VALVE				
					<b>UNIT S/N:</b>		5FPC				
					<b>SEPARATOR S/N:</b>		11520758				
					<b>INSPECTION RESULT :</b>						
					<b>VISUAL , THOROUGH EXAMINATION</b>		VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION				
					<b>MAGNETIC PARTICLE INSPECTION</b>		Avaliable critical areas inspected and found free from cracks and other defects				
					<b>FINAL RESULTS</b>		THE ABOVE INSPECTED AREAS WAS ACCEPTED				
<b>COMMENT:</b>											
Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast											
EQUIPMENT DETAILS					PERSON DETAILS			REVIEW BY			
<b>EQUIPMENT :</b>	AC/DC HAND Yoke	<b>EQUIPMENT :</b>	ASTM Test Block	<b>EQUIPMENT :</b>	UV BLACK LIGHT: 3140 µw/cm <sup>2</sup>	<b>INSPECTOR NAME:</b> M.SHAHZAD AHMED		<b>SENIOR INSPECTOR:</b>	NAVEED HUSSAIN		
<b>S.NO:</b>	201504048	<b>S.NO:</b>	1657	<b>S.NO:</b>	1932401			<b>SUPERVISOR:</b>	HANI ALI		
<b>Cal Due Date:</b>	14.FEB.2024	<b>Cal Due Date:</b>	14.FEB.2024	<b>Cal Due Date:</b>	14.FEB.2024			<b>QUALIFICATION:</b> ASNT LEVEL II MT & PT & VT		<b>CLIENT:</b>	
<b>FLUORESCENT 14HF</b>		Magnaflux	<b>Batch No:</b>	220306	<b>EXPIRE DATE:</b>	MARCH,2025					
<b>Whie Contrast Paint Manufacture:</b>		Magnaflux	<b>Batch No:</b>	220602	<b>EXPIRE DATE:</b>	JUN,2025					
<b>Digital Lux Meter WHITE LIGHT INTENSITY:</b>		<b>TECHNICAL DETAILS</b>			<b>Black Magnetic Ink Manufacture:7HF</b>		<b>STAMP &amp; SIGNATURE:</b>				
3640 Lux/S.NO:2722003		<b>Wet FLUORESCENT Particle Concentration 14 HF</b>		0.1 to 0.4 ml/100 ml		<b>Batch No:220605</b>					
<b>Cal Due Date:16.FEB.2024</b>		<b>Black Magnetic Ink Concentration 7 HF</b>		1.2 to 2.4 ml/100 ml		<b>EXPIRE DATE:</b>		Jul-25			

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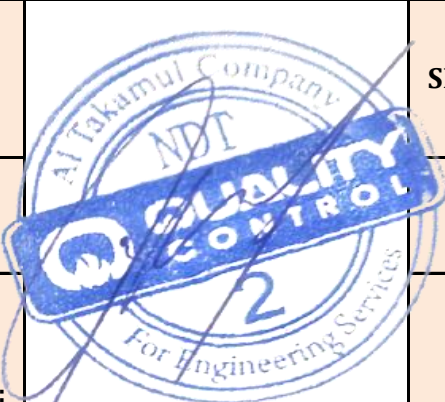
QC/FN/MPI/065 Rev.00 DATED 07 NOV 2021

<b>MAJOR INSPECTION CERIFICATE</b>														
<b>Client:</b>		HALLIBURTON (TSS)			<b>Report No:</b>		QC-24-01-TSS-011-NDT MAJ-014							
<b>Location:</b>		TSS WORKSHOP & INSPECTION TEST AREA			<b>WORK ORDER</b>		326075496							
<b>Date:</b>		06.JAN, 2024			<b>Next Inspection Date:</b>		ANNUAL INSPECTION							
<b>Type Of Inspection:</b>		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			<b>Specification:</b>		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A							
					<b>UNIT DESCRIPTION:</b>		4" 600 BALON VALVE							
					<b>UNIT S/N:</b>		041 2W							
					<b>SEPARATOR S/N:</b>		11520758							
					<b>INSPECTION RESULT :</b>									
					<b>VISUAL , THOROUGH EXAMINATION</b>		VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION							
					<b>MAGNETIC PARTICLE INSPECTION</b>		Avaliable critical areas inspected and found free from cracks and other defects							
					<b>FINAL RESULTS</b>		THE ABOVE INSPECTED AREAS WAS ACCEPTED							
<b>COMMENT:</b>														
Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast														
EQUIPMENT DETAILS					PERSON DETAILS			REVIEW BY						
<b>EQUIPMENT :</b>	AC/DC HAND Yoke	<b>EQUIPMENT :</b>	ASTM Test Block	<b>EQUIPMENT :</b>	UV BLACK LIGHT: 3140 μw/cm <sup>2</sup>		<b>INSPECTOR NAME:</b>	M.SHAHZAD AHMED	<b>SENIOR INSPECTOR:</b>	NAVEED HUSSAIN				
<b>S.NO:</b>	201504048	<b>S.NO:</b>	1657	<b>S.NO:</b>	1932401		<b>QUALIFICATION:</b>		ASNT LEVEL II MT & PT & VT	<b>SUPERVISOR:</b>	HANI ALI			
<b>Cal Due Date:</b>	14.FEB.2024	<b>Cal Due Date:</b>	14.FEB.2024	<b>Cal Due Date:</b>	14.FEB.2024			<b>CLIENT:</b>						
FLUORESCENT 14HF		Magnaflux	<b>Batch No:</b>	220306	<b>EXPIRE DATE:</b>	MARCH,2025								
Whie Contrast Paint Manufacture:		Magnaflux	<b>Batch No:</b>	220602	<b>EXPIRE DATE:</b>	JUN,2025								
Digital Lux Meter WHITE LIGHT INTENSITY:		<b>TECHNICAL DETAILS</b>			Black Magnetic Ink Manufacture:7HF									
3640 Lux/S.NO:2722003		Wet FLUORESCENT Particle Concentration 14 HF		0.1 to 0.4 ml/100 ml		Batch No:220605								
<b>Cal Due Date:16.FEB.2024</b>		Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml		<b>EXPIRE DATE:</b>	Jul-25							



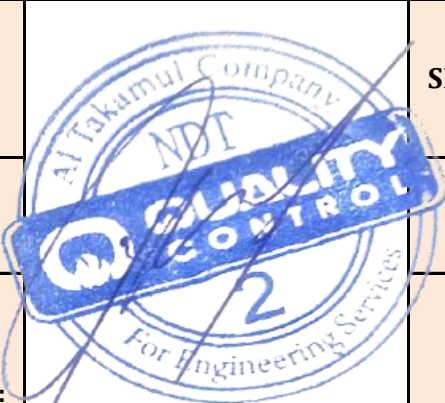
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MAJOR INSPECTION CERIFICATE											
Client: HALLIBURTON (TSS)			Report No: QC-24-01-TSS-011-NDT MAJ-015								
Location: TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER: 326075496								
Date: 06.JAN, 2024			Next Inspection Date: ANNUAL INSPECTION								
Type Of Inspection: VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			Specification: ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A								
						UNIT DESCRIPTION: 2" 600 BALON VALVE					
						UNIT S/N: 1FMN					
						SEPARATOR S/N: 11520758					
						INSPECTION RESULT :					
						VISUAL , THOROUGH EXAMINATION		VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION			
						MAGNETIC PARTICLE INSPECTION		Avaliable critical areas inspected and found free from cracks and other defects			
						FINAL RESULTS		THE ABOVE INSPECTED AREAS WAS ACCEPTED			
COMMENT:											
Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast											
EQUIPMENT DETAILS						PERSON DETAILS		REVIEW BY			
EQUIPMENT :	AC/DC HAND Yoke	EQUIPMENT :	ASTM Test Block	EQUIPMENT :	UV BLACK LIGHT: 3140 μw/cm <sup>2</sup>	INSPECTOR NAME: M.SHAHZAD AHMED		SENIOR INSPECTOR:	NAVEED HUSSAIN		
S.NO:	201504048	S.NO:	1657	S.NO:	1932401			QUALIFICATION: ASNT LEVEL II MT & PT & VT	SUPERVISOR:	HANI ALI	
Cal Due Date:	14.FEB.2024	Cal Due Date:	14.FEB.2024	Cal Due Date:	14.FEB.2024			STAMP & SIGNATURE:	CLIENT:		
FLUORESCENT 14HF		Magnaflux	Batch No:	220306	EXPIRE DATE:	MARCH,2025					
Whie Contrast Paint Manufacture:		Magnaflux	Batch No:	220602	EXPIRE DATE:	JUN,2025					
Digital Lux Meter WHITE LIGHT INTENSITY:		TECHNICAL DETAILS			Black Magnetic Ink Manufacture:7HF						
3640 Lux/S.NO:2722003		Wet FLUORESCENT Particle Concentration 14 HF		0.1 to 0.4 ml/100 ml		Batch No:220605					
Cal Due Date:16.FEB.2024		Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml		EXPIRE DATE: Jul-25					



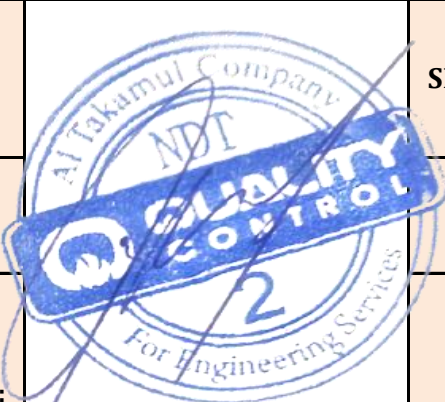
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<b>MAJOR INSPECTION CERIFICATE</b>											
<b>Client:</b>	HALLIBURTON (TSS)				<b>Report No:</b>	QC-24-01-TSS-011-NDT MAJ-016					
<b>Location:</b>	TSS WORKSHOP & INSPECTION TEST AREA				<b>WORK ORDER</b>	326075496					
<b>Date:</b>	06.JAN, 2024				<b>Next Inspection Date:</b>	ANNUAL INSPECTION					
<b>Type Of Inspection:</b>	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION				<b>Specification:</b>	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A					
					<b>UNIT DESCRIPTION:</b>	2" 600 BALON VALVE					
					<b>UNIT S/N:</b>	3FML					
					<b>SEPARATOR S/N:</b>	11520758					
					<b>INSPECTION RESULT :</b>						
					<b>VISUAL , THOROUGH EXAMINATION</b>	VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION					
					<b>MAGNETIC PARTICLE INSPECTION</b>	Avaliable critical areas inspected and found free from cracks and other defects					
					<b>FINAL RESULTS</b>	THE ABOVE INSPECTED AREAS WAS ACCEPTED					
<b>COMMENT:</b>											
Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast											
EQUIPMENT DETAILS					PERSON DETAILS		REVIEW BY				
<b>EQUIPMENT :</b>	AC/DC HAND Yoke	<b>EQUIPMENT :</b>	ASTM Test Block	<b>EQUIPMENT :</b>	UV BLACK LIGHT: 3140 µw/cm <sup>2</sup>	<b>INSPECTOR NAME:</b>	M.SHAHZAD AHMED	<b>SENIOR INSPECTOR:</b>	NAVEED HUSSAIN		
<b>S.NO:</b>	201504048	<b>S.NO:</b>	1657	<b>S.NO:</b>	1932401	<b>QUALIFICATION:</b> ASNT LEVEL II MT & PT & VT		<b>SUPERVISOR:</b>	HANI ALI		
<b>Cal Due Date:</b>	14.FEB.2024	<b>Cal Due Date:</b>	14.FEB.2024	<b>Cal Due Date:</b>	14.FEB.2024			<b>CLIENT:</b>			
<b>FLUORESCENT 14HF</b>		Magnaflux	<b>Batch No:</b>	220306	<b>EXPIRE DATE:</b>	MARCH,2025					
<b>Whie Contrast Paint Manufacture:</b>		Magnaflux	<b>Batch No:</b>	220602	<b>EXPIRE DATE:</b>	JUN,2025					
<b>Digital Lux Meter WHITE LIGHT INTENSITY:</b>		<b>TECHNICAL DETAILS</b>			<b>Black Magnetic Ink Manufacture:7HF</b>		<b>STAMP &amp; SIGNATURE:</b>				
3640 Lux/S.NO:2722003		Wet FLUORESCENT Particle Concentration 14 HF		0.1 to 0.4 ml/100 ml		Batch No:220605					
<b>Cal Due Date:16.FEB.2024</b>		Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml		<b>EXPIRE DATE:</b> Jul-25					



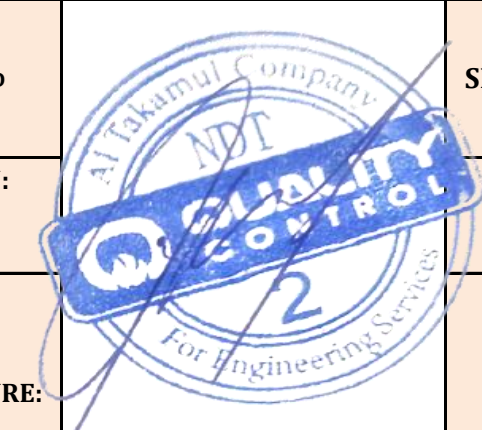
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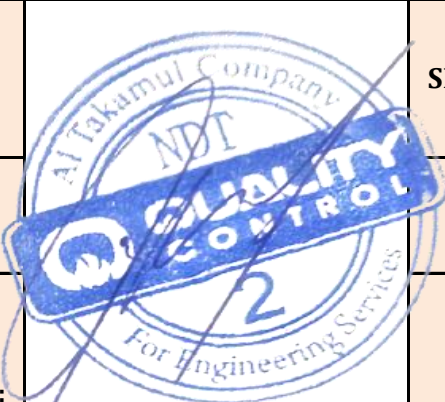
QC/FN/MPI/065 Rev.00 DATED 07 NOV 2021

MAJOR INSPECTION CERIFICATE											
Client: HALLIBURTON (TSS)			Report No: QC-24-01-TSS-011-NDT MAJ-017								
Location: TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER: 326075496								
Date: 06.JAN, 2024			Next Inspection Date: ANNUAL INSPECTION								
Type Of Inspection: VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			Specification: ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A								
						UNIT DESCRIPTION: 2" 600 BALON VALVE					
						UNIT S/N: 4FMN					
						SEPARATOR S/N: 11520758					
						INSPECTION RESULT :					
						VISUAL , THOROUGH EXAMINATION		VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION			
						MAGNETIC PARTICLE INSPECTION		Avaliable critical areas inspected and found free from cracks and other defects			
						FINAL RESULTS		THE ABOVE INSPECTED AREAS WAS ACCEPTED			
COMMENT:											
Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast											
EQUIPMENT DETAILS						PERSON DETAILS		REVIEW BY			
EQUIPMENT :	AC/DC HAND Yoke	EQUIPMENT :	ASTM Test Block	EQUIPMENT :	UV BLACK LIGHT: 3140 μw/cm <sup>2</sup>	INSPECTOR NAME: M.SHAHZAD AHMED		SENIOR INSPECTOR:	NAVEED HUSSAIN		
S.NO:	201504048	S.NO:	1657	S.NO:	1932401			QUALIFICATION: ASNT LEVEL II MT & PT & VT	SUPERVISOR:	HANI ALI	
Cal Due Date:	14.FEB.2024	Cal Due Date:	14.FEB.2024	Cal Due Date:	14.FEB.2024			STAMP & SIGNATURE:	CLIENT:		
FLUORESCENT 14HF		Magnaflux	Batch No:	220306	EXPIRE DATE:	MARCH,2025					
Whie Contrast Paint Manufacture:		Magnaflux	Batch No:	220602	EXPIRE DATE:	JUN,2025					
Digital Lux Meter WHITE LIGHT INTENSITY:		TECHNICAL DETAILS			Black Magnetic Ink Manufacture:7HF						
3640 Lux/S.NO:2722003		Wet FLUORESCENT Particle Concentration 14 HF		0.1 to 0.4 ml/100 ml		Batch No:220605					
Cal Due Date:16.FEB.2024		Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml		EXPIRE DATE: Jul-25					

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<b>MAJOR INSPECTION CERIFICATE</b>											
<b>Client:</b> HALLIBURTON (TSS)			<b>Report No:</b> QC-24-01-TSS-011-NDT MAJ-018								
<b>Location:</b> TSS WORKSHOP & INSPECTION TEST AREA			<b>WORK ORDER</b> 326075496								
<b>Date:</b> 06.JAN, 2024			<b>Next Inspection Date:</b> ANNUAL INSPECTION								
<b>Type Of Inspection:</b> VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			<b>Specification:</b> ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A								
						<b>UNIT DESCRIPTION:</b> 2" 600 BALON VALVE					
						<b>UNIT S/N:</b> 3FMM					
						<b>SEPARATOR S/N:</b> 11520758					
						<b>INSPECTION RESULT :</b>					
						<b>VISUAL , THOROUGH EXAMINATION</b>		VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION			
						<b>MAGNETIC PARTICLE INSPECTION</b>		Avaliable critical areas inspected and found free from cracks and other defects			
						<b>FINAL RESULTS</b>		THE ABOVE INSPECTED AREAS WAS ACCEPTED			
<b>COMMENT:</b>											
Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast											
EQUIPMENT DETAILS						PERSON DETAILS		REVIEW BY			
<b>EQUIPMENT :</b> AC/DC HAND Yoke	<b>EQUIPMENT :</b> ASTM Test Block	<b>EQUIPMENT :</b> UV BLACK LIGHT: 3140 μw/cm <sup>2</sup>	<b>INSPECTOR NAME:</b> M.SHAHZAD AHMED			<b>SENIOR INSPECTOR:</b>	NAVEED HUSSAIN				
<b>S.NO:</b> 201504048	<b>S.NO:</b> 1657	<b>S.NO:</b> 1932401	<b>QUALIFICATION:</b> ASNT LEVEL II MT & PT & VT			<b>SUPERVISOR:</b>	HANI ALI				
<b>Cal Due Date:</b> 14.FEB.2024	<b>Cal Due Date:</b> 14.FEB.2024	<b>Cal Due Date:</b> 14.FEB.2024	<b>FLUORESCENT 14HF</b> Magnaflux Batch No: 220306 EXPIRE DATE: MARCH,2025		<b>STAMP &amp; SIGNATURE:</b>	<b>CLIENT:</b>					
<b>Whie Contrast Paint Manufacture:</b>	Magnaflux	Batch No: 220602	EXPIRE DATE: JUN,2025								
<b>Digital Lux Meter WHITE LIGHT INTENSITY:</b>	<b>TECHNICAL DETAILS</b>		<b>Black Magnetic Ink Manufacture:7HF</b>								
3640 Lux/S.NO:2722003	Wet FLUORESCENT Particle Concentration 14 HF	0.1 to 0.4 ml/100 ml	Batch No:220605								
<b>Cal Due Date:16.FEB.2024</b>	Black Magnetic Ink Concentration 7 HF	1.2 to 2.4 ml/100 ml	EXPIRE DATE: Jul-25								

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<b>MAJOR INSPECTION CERIFICATE</b>											
<b>Client:</b>		HALLIBURTON (TSS)			<b>Report No:</b>		QC-24-01-TSS-011-NDT MAJ-019				
<b>Location:</b>		TSS WORKSHOP & INSPECTION TEST AREA			<b>WORK ORDER</b>		326075496				
<b>Date:</b>		06.JAN, 2024			<b>Next Inspection Date:</b>		ANNUAL INSPECTION				
<b>Type Of Inspection:</b>		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			<b>Specification:</b>		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A				
					<b>UNIT DESCRIPTION:</b>		2" 600 BALON VALVE				
					<b>UNIT S/N:</b>		0FMM				
					<b>SEPARATOR S/N:</b>		11520758				
					<b>INSPECTION RESULT :</b>						
					<b>VISUAL , THOROUGH EXAMINATION</b>		VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION				
					<b>MAGNETIC PARTICLE INSPECTION</b>		Avaliable critical areas inspected and found free from cracks and other defects				
					<b>FINAL RESULTS</b>		THE ABOVE INSPECTED AREAS WAS ACCEPTED				
<b>COMMENT:</b>											
Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast											
EQUIPMENT DETAILS					PERSON DETAILS			REVIEW BY			
<b>EQUIPMENT :</b>	AC/DC HAND Yoke	<b>EQUIPMENT :</b>	ASTM Test Block	<b>EQUIPMENT :</b>	UV BLACK LIGHT: 3140 µw/cm <sup>2</sup>			<b>SENIOR INSPECTOR:</b>	NAVEED HUSSAIN		
<b>S.NO:</b>	201504048	<b>S.NO:</b>	1657	<b>S.NO:</b>	1932401			<b>QUALIFICATION:</b>	ASNT LEVEL II MT & PT & VT	<b>SUPERVISOR:</b>	HANI ALI
<b>Cal Due Date:</b>	14.FEB.2024	<b>Cal Due Date:</b>	14.FEB.2024	<b>Cal Due Date:</b>	14.FEB.2024			<b>CLIENT:</b>			
<b>FLUORESCENT 14HF</b>		Magnaflux	<b>Batch No:</b>	220306	<b>EXPIRE DATE:</b>	MARCH,2025					
<b>Whie Contrast Paint Manufacture:</b>		Magnaflux	<b>Batch No:</b>	220602	<b>EXPIRE DATE:</b>	JUN,2025					
<b>TECHNICAL DETAILS</b>				<b>Black Magnetic Ink Manufacture:7HF</b>							
<b>Digital Lux Meter WHITE LIGHT INTENSITY:</b>				<b>Batch No:220605</b>							
3640 Lux/S.NO:2722003		Wet FLUORESCENT Particle Concentration 14 HF		0.1 to 0.4 ml/100 ml							
<b>Cal Due Date:16.FEB.2024</b>		Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml							
				<b>EXPIRE DATE:</b>		Jul-25					

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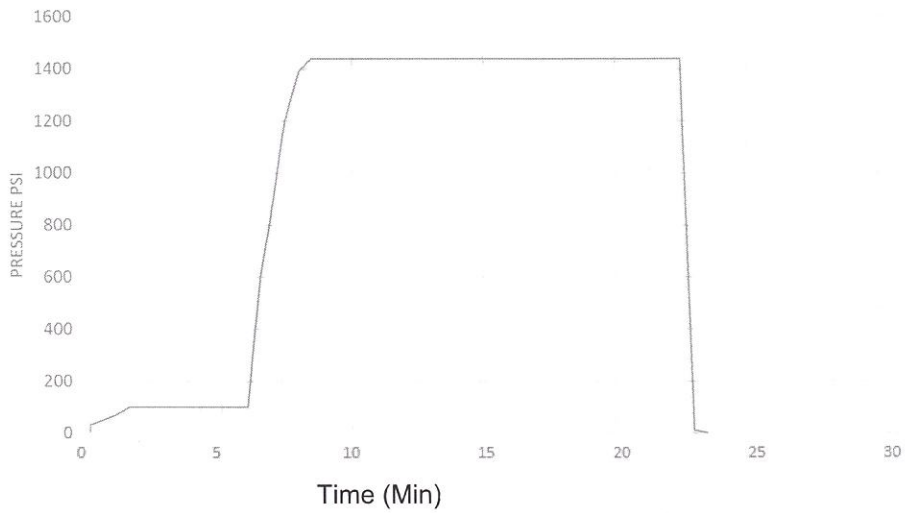
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# Data Collection Report

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

Run Info	
Start Time	8:30 AM
Stop Time	8:53 AM
Test Date	9-Jan-24
EQ NUMBER	11520758
LAST CALIB	2.Aug.2023

## READING



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

SIGN: *H*

SIGN: *H. Kamel*

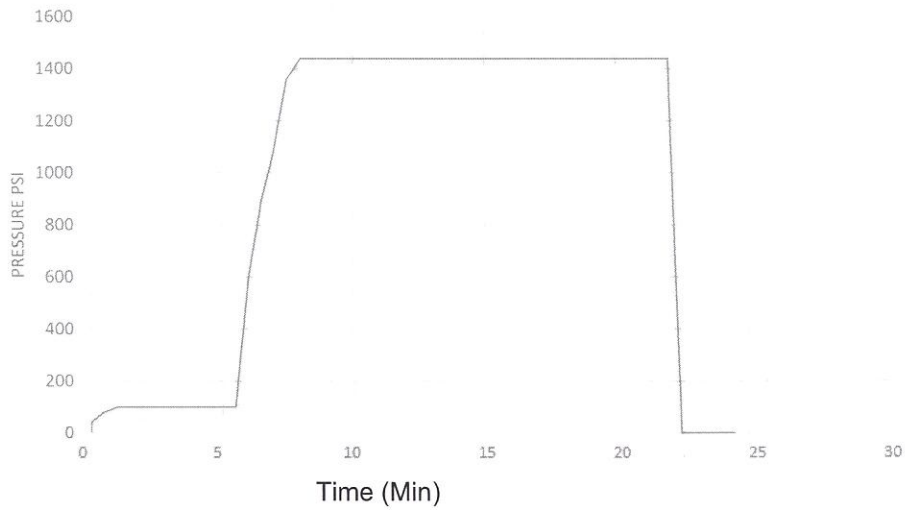


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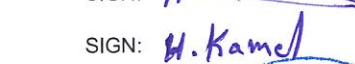
Gauge Information	
Serial Number	468066
Model	XP2I
Message Store	TSS test area
Units	PSI
SCALE	15000 PSI

Run Info	
Start Time	8:56 AM
Stop Time	9:19 AM
Test Date	9-Jan-24
EQ NUMBER	11520758
LAST CALIB	2.Aug.2023

## READING



TESTED BY : Haider Emad  
APPROVED BY: Hassan Kamel  
COMMENTS: All valves has been tested

SIGN:   
SIGN: 

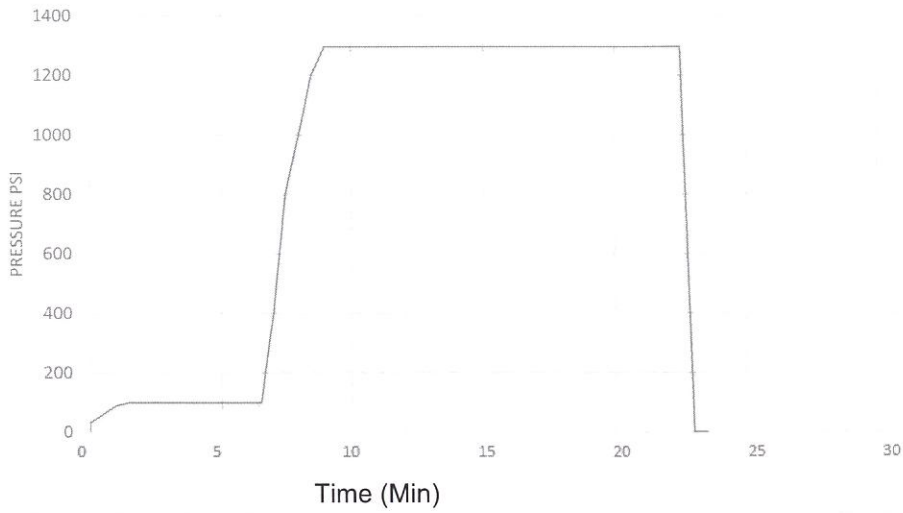


# Data Collection Report

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

Run Info	
Start Time	9:50 AM
Stop Time	10:13 AM
Test Date	9-Jan-24
EQ NUMBER	11520758
LAST CALIB	2.Aug.2023

## READING



TESTED BY : Haider Emad  
APPROVED BY: Hassan Kamel  
COMMENTS: Body Test with PRV's

SIGN: 

SIGN: *H. Kamel*

