

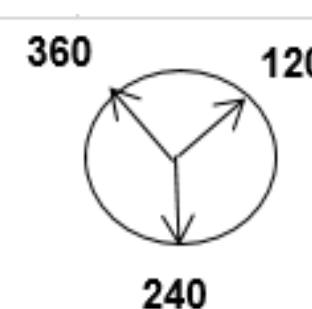
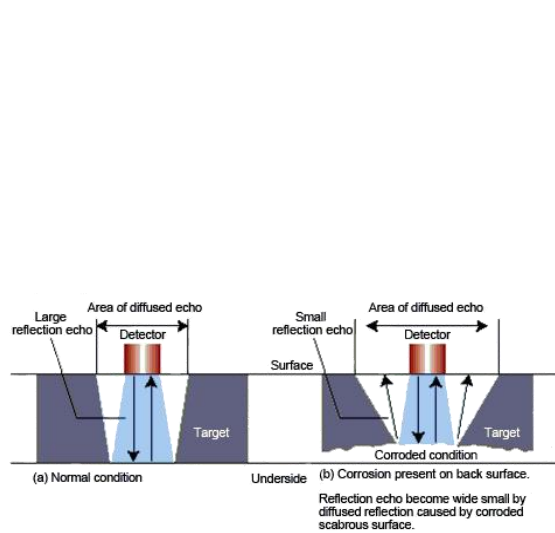
MAJOR INSPECTION CERIFICATE

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT No.:	QC-24-01-TSS-011-NDT MAJ-001
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:	ANNUAL INSPECTION
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

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:	300 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 CUSTMER

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)

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 300 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.Shahzad Ali	SENIOR INSPECTOR:	NAVEED HUSSAIN
QUALIFICATION:	NDT Level 2	INSPECTION SUPERVISOR:	HANI ALI
SIGNATURE & STAMP:			DATE:

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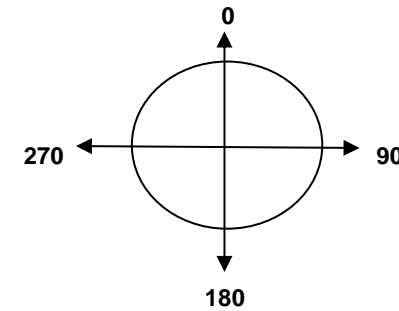
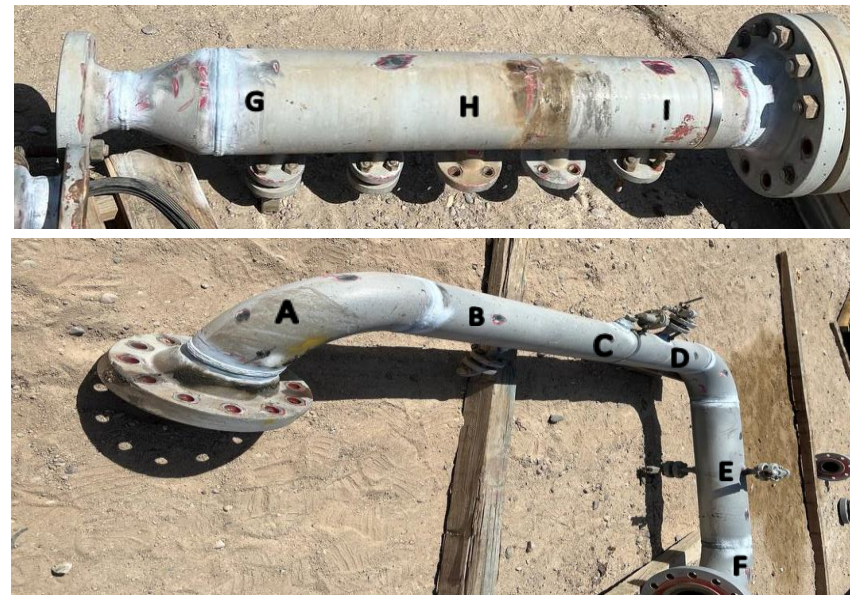


MAJOR INSPECTION CERIFICATE

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	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:	ANNUAL INSPECTION
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

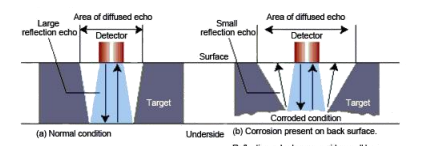
DESCRIPTION:	SEPARATOR LINE 6"1440 PSI	SAP NO.:	11520758
MANUFACTURER:	SPECIALIST SERVICES	SERIAL NO.:	101856365
INSPECTION DETAILS			
Max. Working Pressure:	1440 PSI	Holding Time:	18 Min
Low pressure:	300 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. 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 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 300 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	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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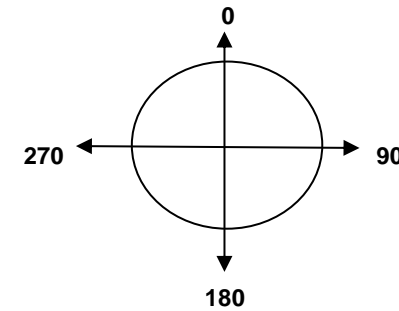


MAJOR INSPECTION CERIFICATE

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT No.:	QC-24-01-TSS-011-NDT MAJ-003
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:	ANNUAL INSPECTION
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

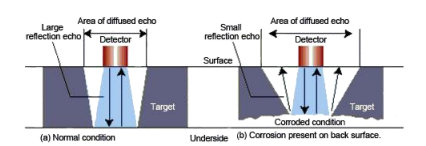
DESCRIPTION:	SEPARATOR LINE 4"1440 PSI	SAP NO.:	11520758
MANUFACTURER:	SPECIALIST SERVICES	SERIAL NO.:	101856365
INSPECTION DETAILS			
Max. Working Pressure:	1440 PSI	Holding Time:	18 Min
Low pressure:	300 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. 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		

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 300 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	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

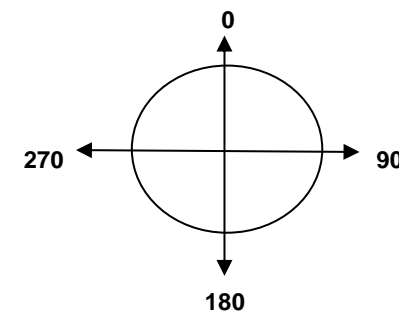


MAJOR INSPECTION CERIFICATE

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIEREMENTS

CLIENT:	HALLIBURTON	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:	ANNUAL INSPECTION
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

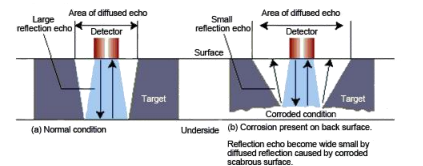
DESCRIPTION:	SEPARATOR LINE 4"1440 PSI	SAP NO.:	11520758
MANUFACTURER:	SPECIALIST SERVICES	SERIAL NO.:	101856365
INSPECTION DETAILS			
Max. Working Pressure:	1440 PSI	Holding Time:	18 Min
Low pressure:	300 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. 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	SATISFACTORY
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 300 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 Ab...	SENIOR INSPECTOR:	NAVEED HUSSAIN
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI
SIGNATURE & STAMP:			
		CLIENT:	
		HB&SIGN	
		DATE:	

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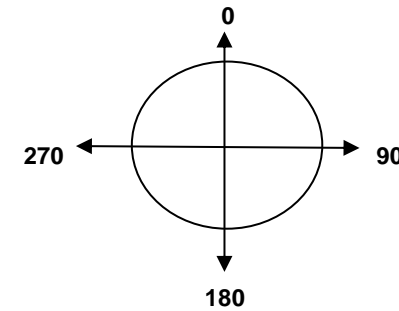


MAJOR INSPECTION CERIFICATE

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	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:	ANNUAL INSPECTION
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

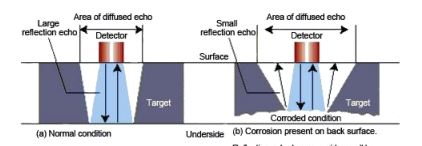
DESCRIPTION:	SEPARATOR LINE 3"1440 PSI	SAP NO.:	11520758
MANUFACTURER:	SPECIALIST SERVICES	SERIAL NO.:	101856365
INSPECTION DETAILS			
Max. Working Pressure:	1440 PSI	Holding Time:	18 Min
Low pressure:	300 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. 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	0.307	0.316	0.319	0.325	11.07 MM 0.435 INCH	SATISFACTORY
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 300 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	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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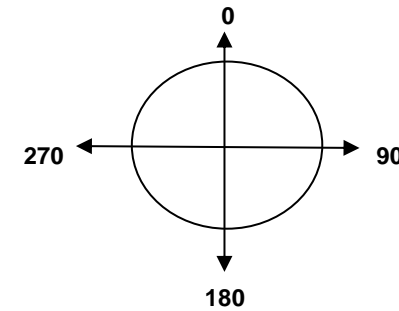


MAJOR INSPECTION CERIFICATE

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	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:	ANNUAL INSPECTION
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

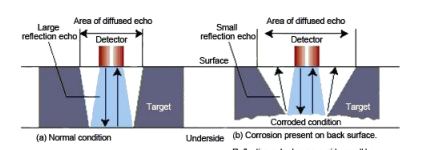
DESCRIPTION:	SEPARATOR LINE 2"1440 PSI	SAP NO.:	11520758
MANUFACTURER:	SPECIALIST SERVICES	SERIAL NO.:	101856365
INSPECTION DETAILS			
Max. Working Pressure:	1440 PSI	Holding Time:	18 Min
Low pressure:	300 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. 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 300 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	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

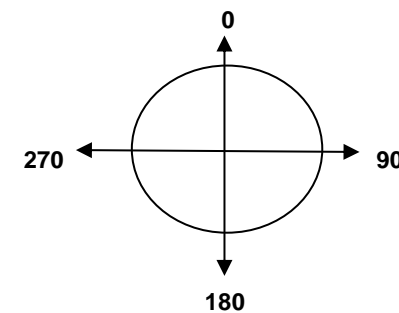
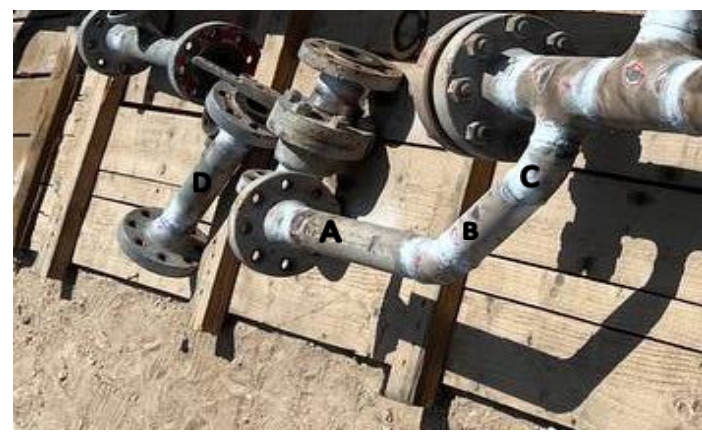


MAJOR INSPECTION CERIFICATE

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	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:	ANNUAL INSPECTION
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

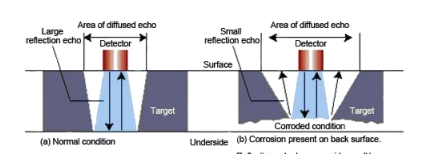
DESCRIPTION:	SEPARATOR LINE 2"1440 PSI	SAP NO.:	11520758
MANUFACTURER:	SPECIALIST SERVICES	SERIAL NO.:	101856365
INSPECTION DETAILS			
Max. Working Pressure:	1440 PSI	Holding Time:	18 Min
Low pressure:	300 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. 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	SATISFACTORY
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)



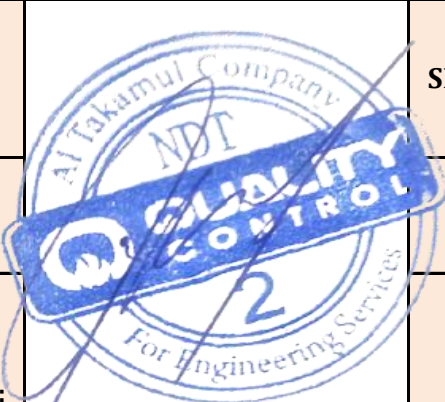
U.T-The Above Item Was Found Acceptable As Per Halliburton Procedure H2S STANDARD NACE MQ-01-75 ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services

Pressure Test-The Above Item was Pressure Tested to 300 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	HB&SIGN
SIGNATURE & STAMP:				DATE:



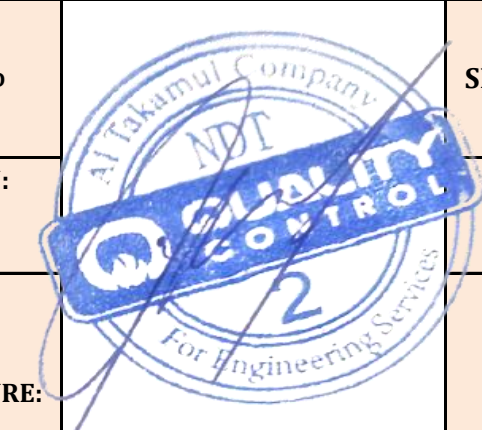


MAJOR INSPECTION CERIFICATE											
Client:		HALLIBURTON (TSS)			Report No:		QC-24-01-TSS-011-NDT MAJ-008				
Location:		TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER		326075496				
Date:		06.JAN, 2024			Next Inspection Date:		ANNUAL INSPECTION				
Type Of Inspection:		VISUAL , THOROUGH EXAMINATION & 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:		00DGB				
					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 ²			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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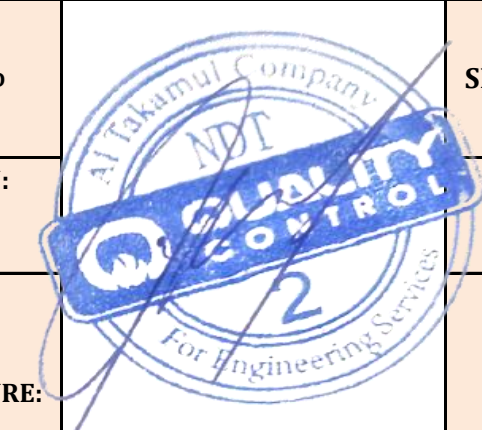
QC/FN/MPI/065 Rev.00 DATED 07 NOV 2021

MAJOR INSPECTION CERIFICATE										
Client:		HALLIBURTON (TSS)			Report No:		QC-24-01-TSS-011-NDT MAJ-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 :	AC/DC HAND Yoke	EQUIPMENT :	ASTM Test Block	EQUIPMENT :	UV BLACK LIGHT: 3140 µw/cm ²	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			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		



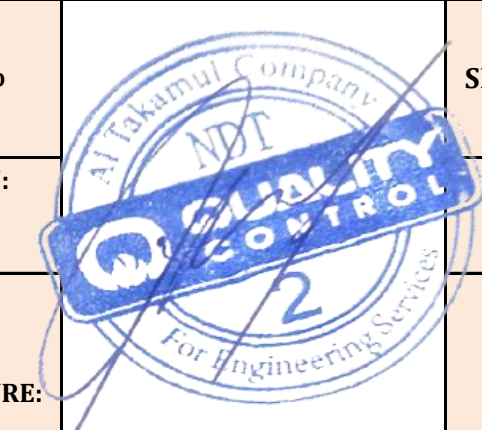
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MAJOR INSPECTION CERIFICATE														
Client: HALLIBURTON (TSS)			Report No: QC-24-01-TSS-011-NDT MAJ-010			Location: TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER: 326075496					
Date: 06.JAN, 2024			Next Inspection Date: ANNUAL INSPECTION			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: F63N					
						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 ²					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								



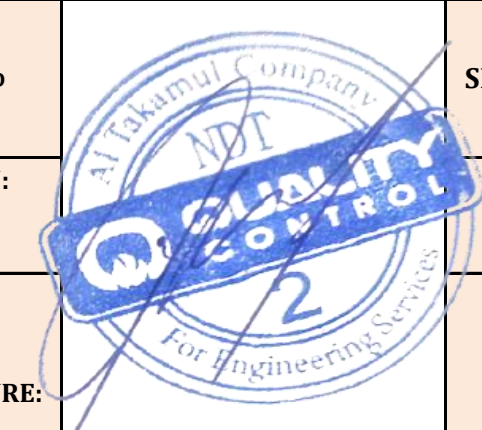
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MAJOR INSPECTION CERIFICATE														
Client:			HALLIBURTON (TSS)			Report No:			QC-24-01-TSS-011-NDT MAJ-011					
Location:			TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER			326075496					
Date:			06.JAN, 2024			Next Inspection Date:			ANNUAL 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:			2WM8					
						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 ²	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			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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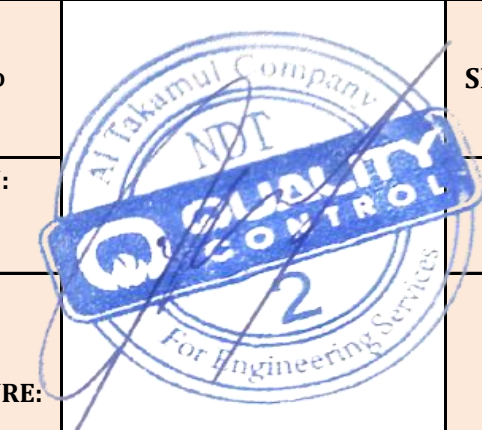
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MAJOR INSPECTION CERIFICATE											
Client:		HALLIBURTON (TSS)			Report No:		QC-24-01-TSS-011-NDT MAJ-012				
Location:		TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER		326075496				
Date:		06.JAN, 2024			Next Inspection Date:		ANNUAL INSPECTION				
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:		4" 600 BALON VALVE				
					UNIT S/N:		7HGE				
					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 ²			SENIOR INSPECTOR:		NAVEED HUSSAIN	
S.NO:	201504048	S.NO:	1657	S.NO:	1932401			SUPERVISOR:		HANI ALI	
Cal Due Date:	14.FEB.2024	Cal Due Date:	14.FEB.2024	Cal Due Date:	14.FEB.2024			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		STAMP & SIGNATURE:				
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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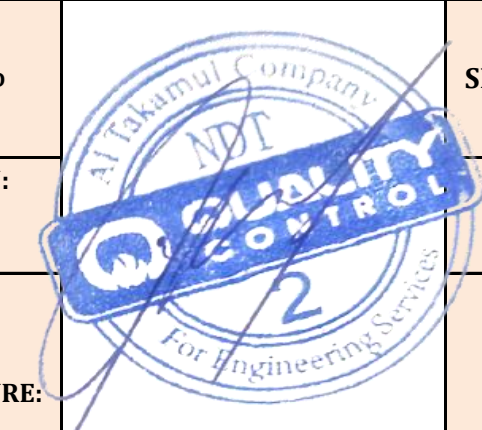
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MAJOR INSPECTION CERIFICATE										
Client:		HALLIBURTON (TSS)			Report No:		QC-24-01-TSS-011-NDT MAJ-013			
Location:		TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER		326075496			
Date:		06.JAN, 2024			Next Inspection Date:		ANNUAL INSPECTION			
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:		4" 600 BALON VALVE			
					UNIT S/N:		5FPC			
					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 ²	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			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		STAMP & SIGNATURE: 			
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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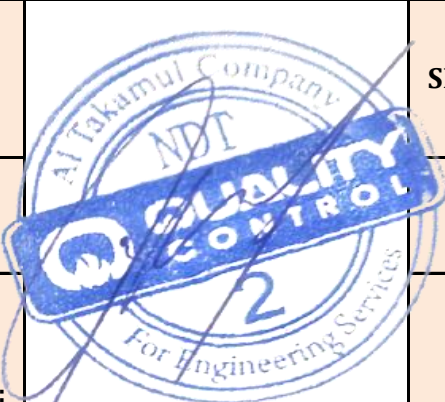
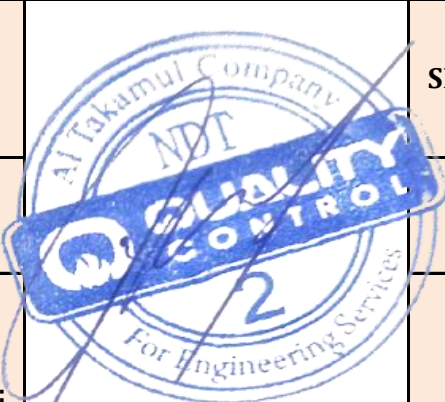
QC/FN/MPI/065 Rev.00 DATED 07 NOV 2021

MAJOR INSPECTION CERIFICATE										
Client:		HALLIBURTON (TSS)			Report No:		QC-24-01-TSS-011-NDT MAJ-014			
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:		4" 600 BALON VALVE			
					UNIT S/N:		041 2W			
					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 ²	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			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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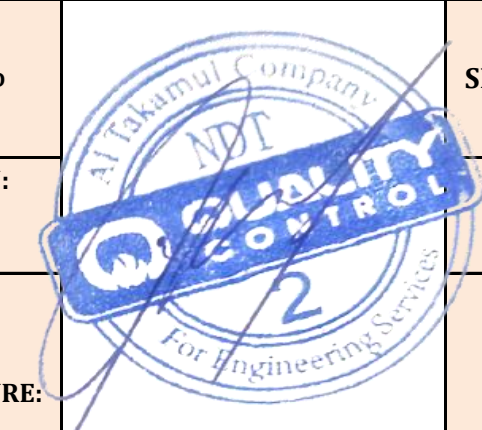
QC/FN/MPI/065 Rev.00 DATED 07 NOV 2021

MAJOR INSPECTION CERIFICATE											
Client:		HALLIBURTON (TSS)			Report No:		QC-24-01-TSS-011-NDT MAJ-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 ²			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					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		STAMP & SIGNATURE:				
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		



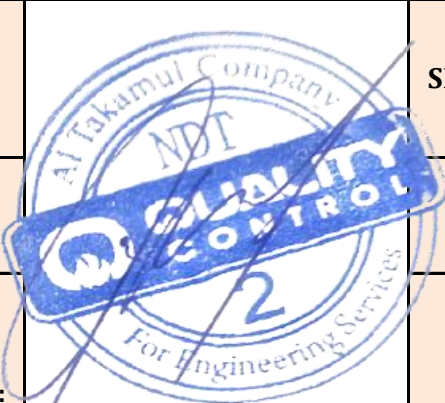
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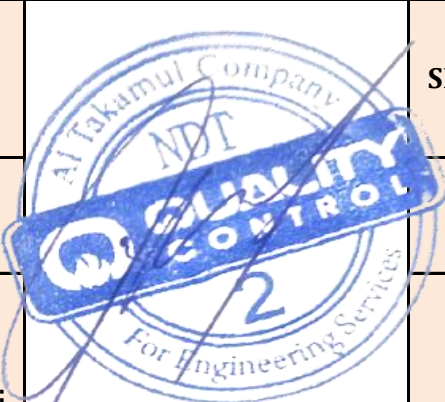
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MAJOR INSPECTION CERIFICATE																			
Client:			HALLIBURTON (TSS)			Report No:			QC-24-01-TSS-011-NDT MAJ-016										
Location:			TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER			326075496										
Date:			06.JAN, 2024			Next Inspection 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:			3FML										
						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 ²		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				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:		3640 Lux/S.NO:2722003		Black Magnetic Ink Manufacture:7HF		Batch No:220605		EXPIRE DATE:		Jul-25									
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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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 ²					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								



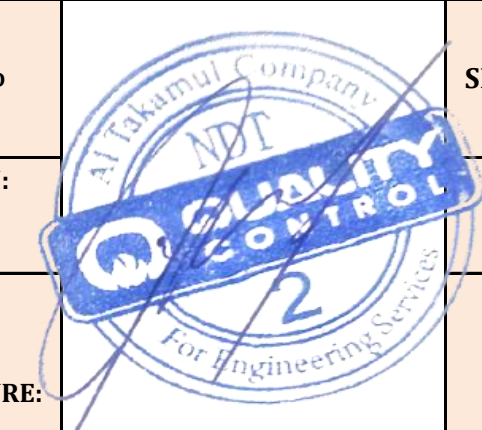
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MAJOR INSPECTION CERIFICATE											
Client:		HALLIBURTON (TSS)			Report No:		QC-24-01-TSS-011-NDT MAJ-018				
Location:		TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER		326075496				
Date:		06.JAN, 2024			Next Inspection Date:		ANNUAL INSPECTION				
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:		3FMM				
					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 ²			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					
TECHNICAL DETAILS				Black Magnetic Ink Manufacture:7HF							
Digital Lux Meter WHITE LIGHT INTENSITY:				Batch No:220605							
3640 Lux/S.NO:2722003		Wet FLUORESCENT Particle Concentration 14 HF		0.1 to 0.4 ml/100 ml							
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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MAJOR INSPECTION CERIFICATE											
Client:		HALLIBURTON (TSS)			Report No:		QC-24-01-TSS-011-NDT MAJ-019				
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:		0FMM				
					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 ²	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		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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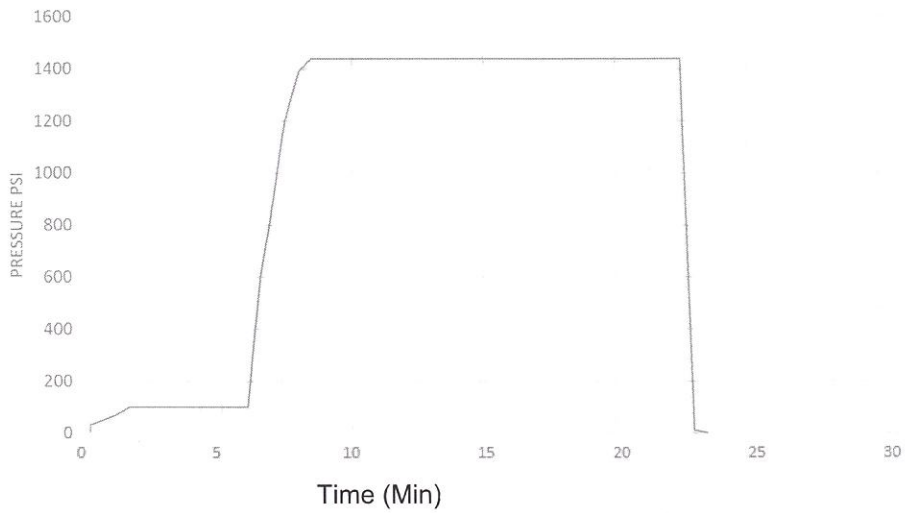
QC/FN/MPI/065 Rev.00 DATED 07 NOV 2021

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*

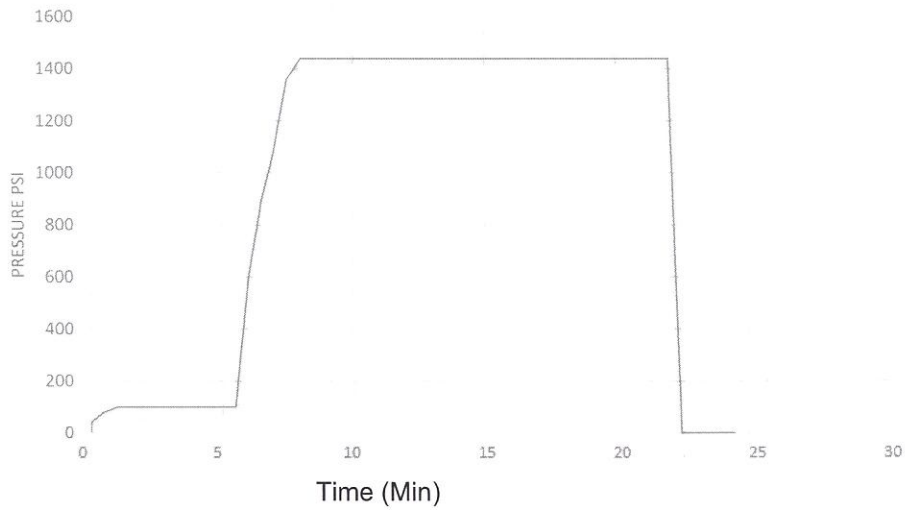


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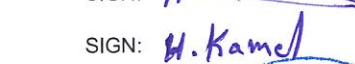
Gauge Information	
Serial Number	468066
Model	XP2I
Message Store	TSS test area
Units	PSI
SCALE	15000 PSI

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: 

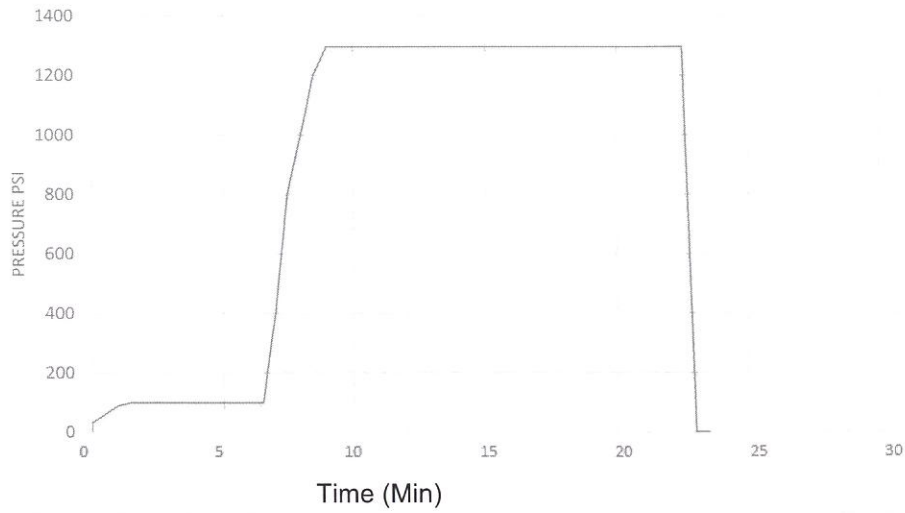


Data Collection Report

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*

