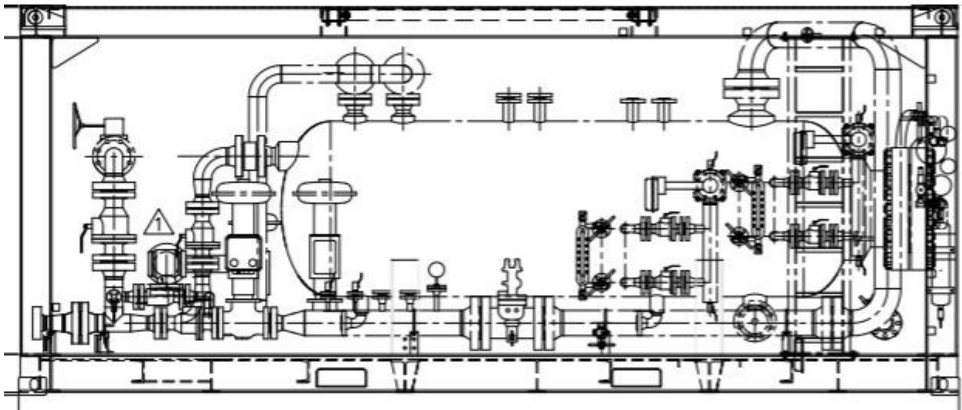


CERTIFICATE OF QUALIFICATION VISUAL AND WITNESS PRESSURE TEST

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT No.:	QC-24-09-TSS-HALL-758-NDT-001
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	JOB NO :	QC-24-09-TSS-NDT-HALL-001
WORK ORDER #		SPECIFICATION:	ASME SECTION VIII DIV 1 Latest Edition , ASME B31.3
DATE OF INSPECTION :	Friday, September 20, 2024	INSP. DUE DATE:	Friday, September 19, 2025
TYPE OF INSPECTION:	VISUAL INSPECTION AND WITNESS PRESSURE TEST		
DESCRIPTION:	SEPARATOR VESSEL 1440PSI	SAP EQ.NO	11520758
Pump NO.::	EQ NO:13119220	CAL DUE DATE:	19.AUG.2025
Pressure Gauge NO.:	218230280019	CAL DUE DATE:	06.MAR.2025



ONLINE TRACEABILITY

PRESSURE TEST WITNESS RESULT

PRESSURE TEST 1:	The Above Item was Pressure Tested up to 100 Psi A low Pressure Hold for 5 Minutes And Maximum Working pressure 1440 Psi Hold 19 Minutes no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached
PRESSURE TEST 2:	The Above Item was Pressure Tested up to 100 Psi A low Pressure Hold for 5 Minutes And Maximum Working pressure 1440 Psi Hold 19 Minutes no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached
PRESSURE TEST 3:	The Above Item was Pressure Tested up to 100 Psi A low Pressure Hold for 5 Minutes And Maximum Working pressure 1440 Psi Hold 19 Minutes no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached
PRESSURE TEST 4:	The Above Item was Pressure Tested up to 100 Psi A low Pressure Hold for 5 Minutes And Maximum Working pressure 1440 Psi Hold 19 Minutes no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached
PRESSURE TEST 5:	The Above Item was Pressure Tested up to 100 Psi A low Pressure Hold for 5 Minutes And Maximum Working pressure 1440 Psi Hold 19 Minutes no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached
PRESSURE TEST 6:	The Above Item was Pressure Tested up to 100 Psi A low Pressure Hold for 5 Minutes And Maximum Working pressure 1440 Psi Hold 19 Minutes no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached
PRESSURE TEST 7:	The Above Separator Body With PRV Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1166 PSI Maximum Working pressure, Hold For 19 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder

PERSON DETAILS

INSPECTOR NAME:	Yusuf Shabbir	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	ASNT CP	INSPECTION SUPERVISOR:	HANI ALI	HD&SIGN	
SIGNATURE & STAMP:				DATE:	

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AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

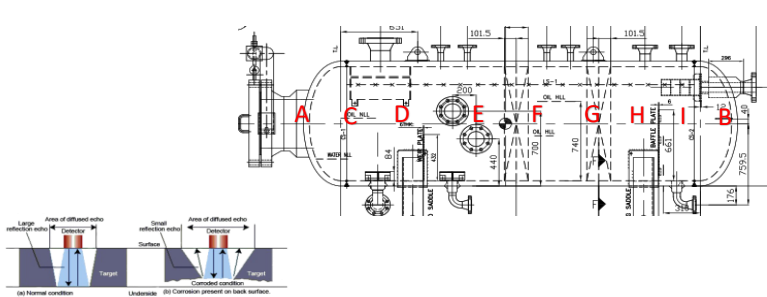


CERTIFICATION OF VISUAL THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION & ULTRASONIC THICKNESS GAUGING THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

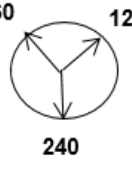
CLIENT:	HALLIBURTON	REPORT No.:	QC-24-08-TSS-HALL-NDT-001
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	JOB NO :	QC-24-08-TSS-NDT-HALL-001
WORK ORDER #		SPECIFICATION:	ASME SECTION VIII DIV 1 Latest Edition Manufacturing Date Book
INSPECTION DATE:	Thursday, August 29, 2024	INSP. DUE DATE:	Thursday, August 28, 2025
TYPE OF INSPECTION:	VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

DESCRIPTION:	SEPARATOR VESSEL 1440PSI	SAP EQ.NO:	11520758
MANUFACTURER:	SPECIALIST SERVICES	MANUFACTURER SERIAL NO:	101856365
LEFT SIDE & RIGHT SIDE MINIMUM THICKNESS	44 MM	LEFT SIDE & RIGHT SIDE CORROSION ALLOWANCE	3 MM
SHELL NOMINAL THICKNESS	50 MM	SHELL CORROSION ALLOWANCE	3 MM

INSPECTION DETAILS



360 120



240

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

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



ANGLE	THICKNESS AT POSITION			MINIMUM THICKNESS	CORROSION ALLOWANCE	FINAL REMARKS		
	120°	240°	360°					
LEFT SIDE A1	50.21	50.27	50.25	44 MM	3 MM	SATISFACTORY		
LEFT SIDE A2	50.45	50.25	50.36					
LEFT SIDE A3	49.56	49.69	49.52					
RIGHT SIDE B1	50.29	50.25	50.45					
RIGHT SIDE B2	50.49	50.42	50.43					
RIGHT SIDE B3	50.45	50.25	50.29					
ANGLE	THICKNESS AT POSITION			NOMINAL THICKNESS			3 MM	SATISFACTORY
	120°	240°	360°					
SHELL C	56.91	56.85	56.39	50 MM				
SHELL D	54.39	56.30	56.40					
SHELL E	55.60	55.61	55.62					
SHELL F	56.41	56.52	56.42					
SHELL G	54.45	54.52	54.49					
SHELL H	54.55	54.56	54.47					
SHELL I	54.81	54.89	54.45					

INSPECTION RESULT

VT & MPI	Accepted	According to ASME SECTION VIII DIV 1 Latest Edition
UT	Accepted	According to ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book
BODY	Accepted	*** These Are The Actual Readings Need To Follow As Per Manufacturing Date Book

Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To ASME SECTION VIII DIV 1 Latest Edition

U.T-The Above Item Was Found Acceptable As Per ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	14-Oct-24	White Contrast WCP 2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Oct-24		Magnaflux	220602	JUN,2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	14-Oct-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	15-Oct-24		Magnaflux	220605	JULY,2025
ASTM Test Block:	1657	CAL DUE DATE	14-Oct-24	Fluorescent Magnetic Ink 7HF 1.2 to 2.4 ml/100 ml			
WHITE LIGHT INTENSITY:	3680 lux						

PERSON DETAILS

REVIEW BY

INSPECTOR NAME:	Usman Shabbir	SENIOR INSPECTOR:	M.SHAZAD	CLIENT:	
QUALIFICATION:	ASNT LEVT 1	INSPECTION SUPERVISOR:	HANI ALI	REASON:	
SIGNATURE & STAMP:				DATE:	

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AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

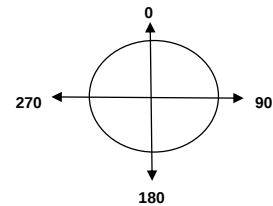
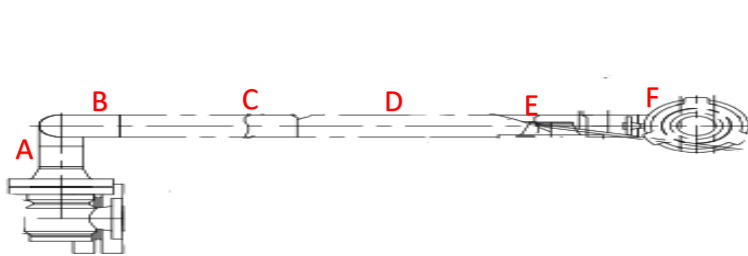


CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION & ULTRASONIC THICKNESS GAUGING

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT No.:	QC-24-08-TSS-HALL-NDT-002
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	JOB NO :	QC-24-08-TSS-NDT-HALL-001
WORK ORDER #		SPECIFICATION:	ASME SECTION VIII DIV 1 Latest Edition Manufacturing Date Book
INSPECTION DATE:	Thursday, August 29, 2024	INSP. DUE DATE:	Thursday, August 28, 2025
TYPE OF INSPECTION:	VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		
DESCRIPTION:	SEPARATOR RELIEF LINE	SAP EQ.NO:	11520758
MANUFACTURER:	SPECIALIST SERVICES	MANUFACTURER SERIAL NO:	101856365

INSPECTION DETAILS

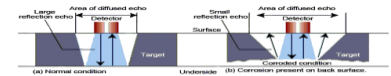


A:12'O CLOCK / FORWARD
B:3'O CLOCK / CENTER
C:6'O CLOCK / AFT

* ALL READINGS IN MM
**MINIMUM THICKNESS PROVIDED BY CUSTMER



ONLINE TRACEABILITY



ANGLE	THICKNESS AT POSITION				CORROSION ALLOWANCE	FINAL REMARKS
	0°	90°	180°	270°		
A	9.27	9.35	9.24	9.21	3 MM	SATISFACTORY
B	9.21	9.24	9.23	9.26		
C	9.23	9.23	9.25	9.56		
D	9.41	9.25	9.52	9.51		
E	9.42	9.43	9.41	9.59		
F	9.41	9.48	9.45	9.64		

INSPECTION RESULT

VT & MPI	Accepted	* ACCORDING TO ASME SECTION VIII DIV 1 Latest Edition
UT	Accepted	According to ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book
BODY	Accepted	*** These Are The Actual Readings Need To Follow As Per Manufacturing Date Book

Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To ASME SECTION VIII DIV 1 Latest Edition

U.T-The Above Item Was Found Acceptable As Per ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	14-Oct-24	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Oct-24		Magnaflux	220602	JUN,2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	14-Oct-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	15-Oct-24		Magnaflux	220605	JULY,2025
ASTM Test Block:	1657	CAL DUE DATE	14-Oct-24	Fluorescent Magnetic Ink 7HF		1.2 to 2.4 ml/100 ml	
WHITE LIGHT INTENSITY:	3680 lux						

PERSON DETAILS

REVIEW BY

INSPECTOR NAME:	Usman Shabbir	SENIOR INSPECTOR:	M.SHAZAD	CLIENT:	
QUALIFICATION:	ASNT CP-105 T	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

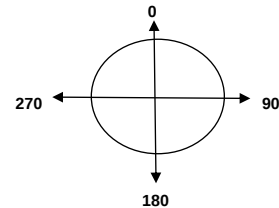
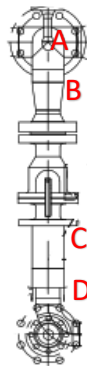
Basra, North Rumaila, Quality Control Yard - Iraq



CERTIFICATION OF VISUAL THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION & ULTRASONIC THICKNESS GAUGING THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

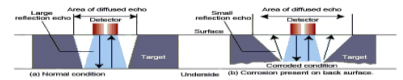
CLIENT:	HALLIBURTON	REPORT No.:	QC-24-08-TSS-HALL-NDT-003
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	JOB NO :	QC-24-08-TSS-NDT-HALL-001
WORK ORDER #		SPECIFICATION:	ASME SECTION VIII DIV 1 Latest Edition Manufacturing Date Book
INSPECTION DATE:	Thursday, August 29, 2024	INSP. DUE DATE:	Thursday, August 28, 2025
TYPE OF INSPECTION:	VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		
DESCRIPTION:	SEPARATOR INLET LINE	SAP EQ.NO:	11520758
MANUFACTURER:	SPECIALIST SERVICES	MANUFACTURER SERIAL NO:	101856365

INSPECTION DETAILS



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

* ALL READINGS IN MM
**MINIMUM THICKNESS PROVIDED BY CUSTMER



ANGLE	THICKNESS AT POSITION				CORROSION ALLOWANCE	FINAL REMARKS
	0°	90°	180°	270°		
A	7.45	7.57	7.67	7.65	3 MM	SATISFACTORY
B	7.35	7.25	7.40	7.68		
C	7.45	7.41	7.42	7.43		
D	7.49	7.14	7.42	7.41		

INSPECTION RESULT

VT & MPI	Accepted	ACCORDING TO ASME SECTION VIII DIV 1 Latest Edition
UT	Accepted	According to ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book
BODY	Accepted	*** These Are The Actual Readings Need To Follow As Per Manufacturing Date Book

Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To ASME SECTION VIII DIV 1 Latest Edition

U.T-The Above Item Was Found Acceptable As Per ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	14-Oct-24	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Oct-24		Magnaflux	220602	JUN,2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	14-Oct-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	15-Oct-24		Magnaflux	220605	JULY,2025
ASTM Test Block:	1657	CAL DUE DATE	14-Oct-24	Fluorescent Magnetic Ink 7HF		1.2 to 2.4 ml/100 ml	
WHITE LIGHT INTENSITY:	3680 lux						

PERSON DETAILS

REVIEW BY

INSPECTOR NAME:	Usman S. Al-Tajer	SENIOR INSPECTOR:	M.SHAZAD	CLIENT:	
QUALIFICATION:	ASNT, UT, VT	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

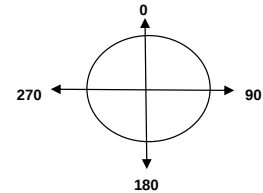
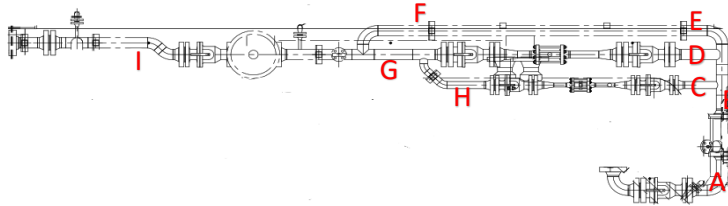


CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION & ULTRASONIC THICKNESS GAUGING

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT No.:	QC-24-08-TSS-HALL-NDT-004
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	JOB NO :	QC-24-08-TSS-NDT-HALL-001
WORK ORDER #		SPECIFICATION:	ASME SECTION VIII DIV 1 Latest Edition Manufacturing Date Book
INSPECTION DATE:	Thursday, August 29, 2024	INSP. DUE DATE:	Thursday, August 28, 2025
TYPE OF INSPECTION:	VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		
DESCRIPTION:	SEPARATOR OIL OUT LINE	SAP EQ.NO:	11520758
MANUFACTURER:	SPECIALIST SERVICES	MANUFACTURER SERIAL NO:	101856365

INSPECTION DETAILS

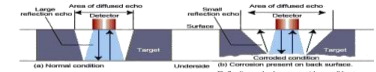


A:12'O CLOCK / FORWARD
B:3'O CLOCK / CENTER
C:6'O CLOCK / AFT

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



ONLINE TRACEABILITY



ANGLE	THICKNESS AT POSITION				CORROSION ALLOWANCE	FINAL REMARKS
	0°	180°	270°			
A	7.56	7.59	7.57	7.51	3MM	SATISFACTORY
B	7.45	7.41	7.45	7.35		
C	7.35	7.55	7.58	7.60		
D	7.61	7.56	7.58	7.52		
E	7.21	7.23	7.33	7.40		
F	7.41	7.45	7.49	7.58		
G	7.45	7.50	7.58	7.60		
H	7.61	7.62	7.63	7.64		
I	7.65	7.64	7.25	7.21		

INSPECTION RESULT

VT & MPI	Accepted	According to ASME SECTION VIII DIV 1 Latest Edition
UT	Accepted	According to ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book
BODY	Accepted	*** These Are The Actual Readings Need To Follow As Per Manufacturing Date Book

Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To ASME SECTION VIII DIV 1 Latest Edition

U.T: The Above Item Was Found Acceptable As Per ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book

INSPECTION EQUIPMENT DETAILS

AC YOKE S.N:	201504052	CAL DUE DATE	14-Oct-24
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Oct-24
UT THICKNESS GAUGE:	3997	CAL DUE DATE	14-Oct-24
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	15-Oct-24
ASTM Test Block:	1657	CAL DUE DATE	14-Oct-24
WHITE LIGHT INTENSITY:	3680 lux		

TECHNICAL DETAILS

White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
	Magnaflux	220602	JUN,2025
Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
	Magnaflux	220605	JULY,2025
Fluorescent Magnetic Ink 7HF			1.2 to 2.4 ml/100 ml

PERSON DETAILS

REVIEW BY

INSPECTOR NAME:	Umar Al-Sayid	SENIOR INSPECTOR:	M SHAZAD	CLIENT:	
QUALIFICATION:	ASNT MT,PT,UT,VT,	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

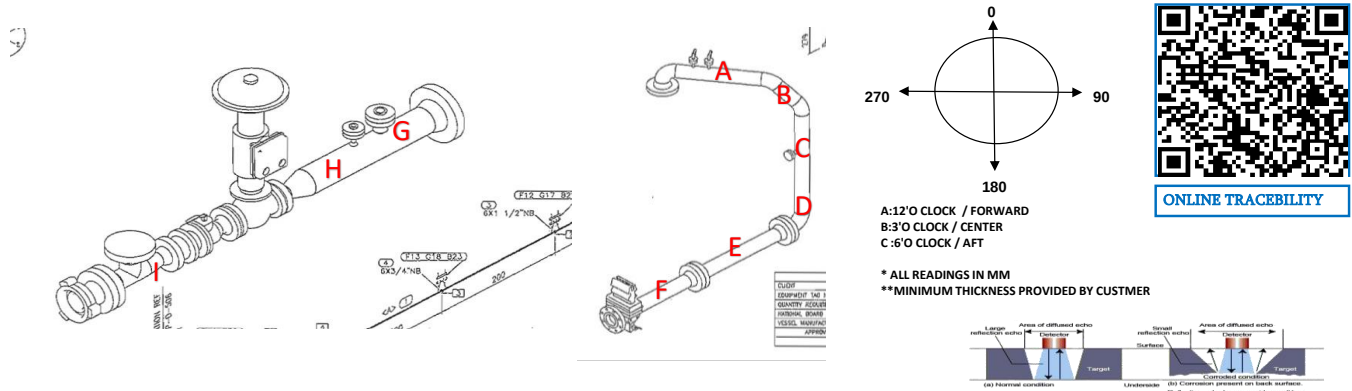


CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION & ULTRASONIC THICKNESS GAUGING THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT No.:	QC-24-08-TSS-HALL-NDT-005
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	JOB NO :	QC-24-08-TSS-NDT-HALL-001
WORK ORDER #		SPECIFICATION:	ASME SECTION VIII DIV 1 Latest Edition Manufacturing Date Book
INSPECTION DATE:	Thursday, August 29, 2024	INSP. DUE DATE:	Thursday, August 28, 2025
TYPE OF INSPECTION:	VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

DESCRIPTION:	SEPARATOR GAS OUT LINE	SAP EQ.NO:	11520758
MANUFACTURER:	SPECIALIST SERVICES	MANUFACTURER SERIAL NO:	101856365

INSPECTION DETAILS



ANGLE	THICKNESS AT POSITION				CORROSION ALLOWANCE	FINAL REMARKS
	0°	90°	180°	270°		
A	11.41	11.38	11.40	11.43	3 MM	SATISFACTORY
B	11.49	11.50	11.52	11.60		
C	11.25	11.26	11.35	11.40		
D	11.47	11.48	11.49	11.42		
E	11.47	11.34	11.35	11.38		
F	11.36	11.35	11.39	11.41		
G	11.25	11.36	11.25	11.36		
H	11.50	11.29	11.54	11.56		
I	11.56	11.57	11.56	11.58		

INSPECTION RESULT

VT & MPI	Accepted	According to ASME SECTION VIII DIV 1 Latest Edition
UT	Accepted	According to ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book
BODY	Accepted	*** These Are The Actual Readings Need To Follow As Per Manufacturing Date Book

Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To ASME SECTION VIII DIV 1 Latest Edition

U.T-The Above Item Was Found Acceptable As Per ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book

INSPECTION EQUIPMENT DETAILS

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	14-Oct-24	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Oct-24		Magnaflux	220602	JUN,2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	14-Oct-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	15-Oct-24		Magnaflux	220605	JULY,2025
ASTM Test Block:	1657	CAL DUE DATE	14-Oct-24	Fluorescent Magnetic Ink 7HF		1.2 to 2.4 ml/100 ml	
WHITE LIGHT INTENSITY:	3680 lux						

PERSON DETAILS

REVIEW BY

INSPECTOR NAME:	Usman Shabbir	SENIOR INSPECTOR:	M.SHAZAD	CLIENT:	
QUALIFICATION:	ASNT CP-105, UT, VT,	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

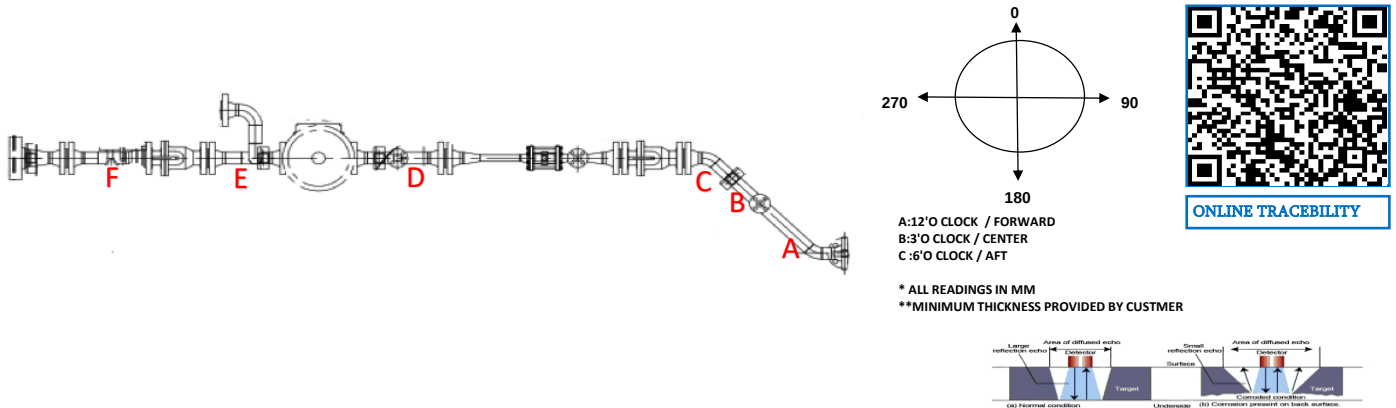


CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION & ULTRASONIC THICKNESS GAUGING

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT No.:	QC-24-08-TSS-HALL-NDT-006
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	JOB NO :	QC-24-08-TSS-NDT-HALL-001
WORK ORDER #		SPECIFICATION:	ASME SECTION VIII DIV 1 Latest Edition Manufacturing Date Book
INSPECTION DATE:	Thursday, August 29, 2024	INSP. DUE DATE:	Thursday, August 28, 2025
TYPE OF INSPECTION:	VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		
DESCRIPTION:	SEPARATOR WATER OUT LINE	SAP EQ.NO:	11520758
MANUFACTURER:	SPECIALIST SERVICES	MANUFACTURER SERIAL NO:	101856365

INSPECTION DETAILS



ANGLE	THICKNESS AT POSITION				CORROSION ALLOWANCE	FINAL REMARKS
	0°	90°	180°	270°		
A	7.24	7.29	7.35	7.36	3 MM	SATISFACTORY
B	7.21	7.41	7.45	7.26		
C	7.32	7.40	7.52	7.25		
D	7.61	7.56	7.58	7.52		
E	7.21	7.23	7.31	7.15		
F	7.41	7.45	7.49	7.58		

INSPECTION RESULT

VT & MPI	Accepted	ACCORDING TO ASME SECTION VIII DIV 1 Latest Edition
UT	Accepted	According to ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book
BODY	Accepted	*** These Are The Actual Readings Need To Follow As Per Manufacturing Date Book

Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To ASME SECTION VIII DIV 1 Latest Edition

U.T-The Above Item Was Found Acceptable As Per ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	14-Oct-24	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Oct-24		Magnaflux	220602	JUN,2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	14-Oct-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	15-Oct-24		Magnaflux	220605	JULY,2025
ASTM Test Block:	1657	CAL DUE DATE	14-Oct-24	Fluorescent Magnetic Ink 7HF		1.2 to 2.4 ml/100 ml	
WHITE LIGHT INTENSITY:	3680 lux						

PERSON DETAILS

REVIEW BY

INSPECTOR NAME:	Ummen Shabbir	SENIOR INSPECTOR:	M.SHAZAD	CLIENT:	
QUALIFICATION:	ASNT CP-105, CP-106, CP-107, CP-108, CP-109, CP-110, CP-111, CP-112, CP-113, CP-114, CP-115, CP-116, CP-117, CP-118, CP-119, CP-120, CP-121, CP-122, CP-123, CP-124, CP-125, CP-126, CP-127, CP-128, CP-129, CP-130, CP-131, CP-132, CP-133, CP-134, CP-135, CP-136, CP-137, CP-138, CP-139, CP-140, CP-141, CP-142, CP-143, CP-144, CP-145, CP-146, CP-147, CP-148, CP-149, CP-150, CP-151, CP-152, CP-153, CP-154, CP-155, CP-156, CP-157, CP-158, CP-159, CP-160, CP-161, CP-162, CP-163, CP-164, CP-165, CP-166, CP-167, CP-168, CP-169, CP-170, CP-171, CP-172, CP-173, CP-174, CP-175, CP-176, CP-177, CP-178, CP-179, CP-180, CP-181, CP-182, CP-183, CP-184, CP-185, CP-186, CP-187, CP-188, CP-189, CP-190, CP-191, CP-192, CP-193, CP-194, CP-195, CP-196, CP-197, CP-198, CP-199, CP-200, CP-201, CP-202, CP-203, CP-204, CP-205, CP-206, CP-207, CP-208, CP-209, CP-210, CP-211, CP-212, CP-213, CP-214, CP-215, CP-216, CP-217, CP-218, CP-219, CP-220, CP-221, CP-222, CP-223, CP-224, CP-225, CP-226, CP-227, CP-228, CP-229, CP-230, CP-231, CP-232, CP-233, CP-234, CP-235, CP-236, CP-237, CP-238, CP-239, CP-240, CP-241, CP-242, CP-243, CP-244, CP-245, CP-246, CP-247, CP-248, CP-249, CP-250, CP-251, CP-252, CP-253, CP-254, CP-255, CP-256, CP-257, CP-258, CP-259, CP-260, CP-261, CP-262, CP-263, CP-264, CP-265, CP-266, CP-267, CP-268, CP-269, CP-270, CP-271, CP-272, CP-273, CP-274, CP-275, CP-276, CP-277, CP-278, CP-279, CP-280, CP-281, CP-282, CP-283, CP-284, CP-285, CP-286, CP-287, CP-288, CP-289, CP-290, CP-291, CP-292, CP-293, CP-294, CP-295, CP-296, CP-297, CP-298, CP-299, CP-300, CP-301, CP-302, CP-303, CP-304, CP-305, CP-306, CP-307, CP-308, CP-309, CP-310, CP-311, CP-312, CP-313, CP-314, CP-315, CP-316, CP-317, CP-318, CP-319, CP-320, CP-321, CP-322, CP-323, CP-324, CP-325, CP-326, CP-327, CP-328, CP-329, CP-330, CP-331, CP-332, CP-333, CP-334, CP-335, CP-336, CP-337, CP-338, CP-339, CP-340, CP-341, CP-342, CP-343, CP-344, CP-345, CP-346, CP-347, CP-348, CP-349, CP-350, CP-351, CP-352, CP-353, CP-354, CP-355, CP-356, CP-357, CP-358, CP-359, CP-360, CP-361, CP-362, CP-363, CP-364, CP-365, CP-366, CP-367, CP-368, CP-369, CP-370, CP-371, CP-372, CP-373, CP-374, CP-375, CP-376, CP-377, CP-378, CP-379, CP-380, CP-381, CP-382, CP-383, CP-384, CP-385, CP-386, CP-387, CP-388, CP-389, CP-390, CP-391, CP-392, CP-393, CP-394, CP-395, CP-396, CP-397, CP-398, CP-399, CP-400, CP-401, CP-402, CP-403, CP-404, CP-405, CP-406, CP-407, CP-408, CP-409, CP-410, CP-411, CP-412, CP-413, CP-414, CP-415, CP-416, CP-417, CP-418, CP-419, CP-420, CP-421, CP-422, CP-423, CP-424, CP-425, CP-426, CP-427, CP-428, CP-429, CP-430, CP-431, CP-432, CP-433, CP-434, CP-435, CP-436, CP-437, CP-438, CP-439, CP-440, CP-441, CP-442, CP-443, CP-444, CP-445, CP-446, CP-447, CP-448, CP-449, CP-450, CP-451, CP-452, CP-453, CP-454, CP-455, CP-456, CP-457, CP-458, CP-459, CP-460, CP-461, CP-462, CP-463, CP-464, CP-465, CP-466, CP-467, CP-468, CP-469, CP-470, CP-471, CP-472, CP-473, CP-474, CP-475, CP-476, CP-477, CP-478, CP-479, CP-480, CP-481, CP-482, CP-483, CP-484, CP-485, CP-486, CP-487, CP-488, CP-489, CP-490, CP-491, CP-492, CP-493, CP-494, CP-495, CP-496, CP-497, CP-498, CP-499, CP-500, CP-501, CP-502, CP-503, CP-504, CP-505, CP-506, CP-507, CP-508, CP-509, CP-510, CP-511, CP-512, CP-513, CP-514, CP-515, CP-516, CP-517, CP-518, CP-519, CP-520, CP-521, CP-522, CP-523, CP-524, CP-525, CP-526, CP-527, CP-528, CP-529, CP-530, CP-531, CP-532, CP-533, CP-534, CP-535, CP-536, CP-537, CP-538, CP-539, CP-540, CP-541, CP-542, CP-543, CP-544, CP-545, CP-546, CP-547, CP-548, CP-549, CP-550, CP-551, CP-552, CP-553, CP-554, CP-555, CP-556, CP-557, CP-558, CP-559, CP-560, CP-561, CP-562, CP-563, CP-564, CP-565, CP-566, CP-567, CP-568, CP-569, CP-570, CP-571, CP-572, CP-573, CP-574, CP-575, CP-576, CP-577, CP-578, CP-579, CP-580, CP-581, CP-582, CP-583, CP-584, CP-585, CP-586, CP-587, CP-588, CP-589, CP-590, CP-591, CP-592, CP-593, CP-594, CP-595, CP-596, CP-597, CP-598, CP-599, CP-600, CP-601, CP-602, CP-603, CP-604, CP-605, CP-606, CP-607, CP-608, CP-609, CP-610, CP-611, CP-612, CP-613, CP-614, CP-615, CP-616, CP-617, CP-618, CP-619, CP-620, CP-621, CP-622, CP-623, CP-624, CP-625, CP-626, CP-627, CP-628, CP-629, CP-630, CP-631, CP-632, CP-633, CP-634, CP-635, CP-636, CP-637, CP-638, CP-639, CP-640, CP-641, CP-642, CP-643, CP-644, CP-645, CP-646, CP-647, CP-648, CP-649, CP-650, CP-651, CP-652, CP-653, CP-654, CP-655, CP-656, CP-657, CP-658, CP-659, CP-660, CP-661, CP-662, CP-663, CP-664, CP-665, CP-666, CP-667, CP-668, CP-669, CP-670, CP-671, CP-672, CP-673, CP-674, CP-675, CP-676, CP-677, CP-678, CP-679, CP-680, CP-681, CP-682, CP-683, CP-684, CP-685, CP-686, CP-687, CP-688, CP-689, CP-690, CP-691, CP-692, CP-693, CP-694, CP-695, CP-696, CP-697, CP-698, CP-699, CP-700, CP-701, CP-702, CP-703, CP-704, CP-705, CP-706, CP-707, CP-708, CP-709, CP-710, CP-711, CP-712, CP-713, CP-714, CP-715, CP-716, CP-717, CP-718, CP-719, CP-720, CP-721, CP-722, CP-723, CP-724, CP-725, CP-726, CP-727, CP-728, CP-729, CP-730, CP-731, CP-732, CP-733, CP-734, CP-735, CP-736, CP-737, CP-738, CP-739, CP-740, CP-741, CP-742, CP-743, CP-744, CP-745, CP-746, CP-747, CP-748, CP-749, CP-750, CP-751, CP-752, CP-753, CP-754, CP-755, CP-756, CP-757, CP-758, CP-759, CP-760, CP-761, CP-762, CP-763, CP-764, CP-765, CP-766, CP-767, CP-768, CP-769, CP-770, CP-771, CP-772, CP-773, CP-774, CP-775, CP-776, CP-777, CP-778, CP-779, CP-780, CP-781, CP-782, CP-783, CP-784, CP-785, CP-786, CP-787, CP-788, CP-789, CP-790, CP-791, CP-792, CP-793, CP-794, CP-795, CP-796, CP-797, CP-798, CP-799, CP-800, CP-801, CP-802, CP-803, CP-804, CP-805, CP-806, CP-807, CP-808, CP-809, CP-810, CP-811, CP-812, CP-813, CP-814, CP-815, CP-816, CP-817, CP-818, CP-819, CP-820, CP-821, CP-822, CP-823, CP-824, CP-825, CP-826, CP-827, CP-828, CP-829, CP-830, CP-831, CP-832, CP-833, CP-834, CP-835, CP-836, CP-837, CP-838, CP-839, CP-840, CP-841, CP-842, CP-843, CP-844, CP-845, CP-846, CP-847, CP-848, CP-849, CP-850, CP-851, CP-852, CP-853, CP-854, CP-855, CP-856, CP-857, CP-858, CP-859, CP-860, CP-861, CP-862, CP-863, CP-864, CP-865, CP-866, CP-867, CP-868, CP-869, CP-870, CP-871, CP-872, CP-873, CP-874, CP-875, CP-876, CP-877, CP-878, CP-879, CP-880, CP-881, CP-882, CP-883, CP-884, CP-885, CP-886, CP-887, CP-888, CP-889, CP-890, CP-891, CP-892, CP-893, CP-894, CP-895, CP-896, CP-897, CP-898, CP-899, CP-900, CP-901, CP-902, CP-903, CP-904, CP-905, CP-906, CP-907, CP-908, CP-909, CP-910, CP-911, CP-912, CP-913, CP-914, CP-915, CP-916, CP-917, CP-918, CP-919, CP-920, CP-921, CP-922, CP-923, CP-924, CP-925, CP-926, CP-927, CP-928, CP-929, CP-930, CP-931, CP-932, CP-933, CP-934, CP-935, CP-936, CP-937, CP-938, CP-939, CP-940, CP-941, CP-942, CP-943, CP-944, CP-945, CP-946, CP-947, CP-948, CP-949, CP-950, CP-951, CP-952, CP-953, CP-954, CP-955, CP-956, CP-957, CP-958, CP-959, CP-960, CP-961, CP-962, CP-963, CP-964, CP-965, CP-966, CP-967, CP-968, CP-969, CP-970, CP-971, CP-972, CP-973, CP-974, CP-975, CP-976, CP-977, CP-978, CP-979, CP-980, CP-981, CP-982, CP-983, CP-984, CP-985, CP-986, CP-987, CP-988, CP-989, CP-990, CP-991, CP-992, CP-993, CP-994, CP-995, CP-996, CP-997, CP-998, CP-999, CP-1000, CP-1001, CP-1002, CP-1003, CP-1004, CP-1005, CP-1006, CP-1007, CP-1008, CP-1009, CP-1010, CP-1011, CP-1012, CP-1013, CP-1014, CP-1015, CP-1016, CP-1017, CP-1018, CP-1019, CP-1020, CP-1021, CP-1022, CP-1023, CP-1024, CP-1025, CP-1026, CP-1027, CP-1028, CP-1029, CP-1030, CP-1031, CP-1032, CP-1033, CP-1034, CP-1035, CP-1036, CP-1037, CP-1038, CP-1039, CP-1040, CP-1041, CP-1042, CP-1043, CP-1044, CP-1045, CP-1046, CP-1047, CP-1048, CP-1049, CP-1050, CP-1051, CP-1052, CP-1053, CP-1054, CP-1055, CP-1056, CP-1057, CP-1058, CP-1059, CP-1060, CP-1061, CP-1062, CP-1063, CP-1064, CP-1065, CP-1066, CP-1067, CP-1068, CP-1069, CP-1070, CP-1071, CP-1072, CP-1073, CP-1074, CP-1075, CP-1076, CP-1077, CP-1078, CP-1079, CP-1080, CP-1081, CP-1082, CP-1083, CP-1084, CP-1085, CP-1086, CP-1087, CP-1088, CP-1089, CP-1090, CP-1091, CP-1092, CP-1093, CP-1094, CP-1095, CP-1096, CP-1097, CP-1098, CP-1099, CP-1100, CP-1101, CP-1102, CP-1103, CP-1104, CP-1105, CP-1106, CP-1107, CP-1108, CP-1109, CP-1110, CP-1111, CP-1112, CP-1113, CP-1114, CP-1115, CP-1116, CP-1117, CP-1118, CP-1119, CP-1120, CP-1121, CP-1122, CP-1123, CP-1124, CP-1125, CP-1126, CP-1127, CP-1128, CP-1129, CP-1130, CP-1131, CP-1132, CP-1133, CP-1134, CP-1135, CP-1136, CP-1137, CP-1138, CP-1139, CP-1140, CP-1141, CP-1142, CP-1143, CP-1144, CP-1145, CP-1146, CP-1147, CP-1148, CP-1149, CP-1150, CP-1151, CP-1152, CP-1153, CP-1154, CP-1155, CP-1156, CP-1157, CP-1158, CP-1159, CP-1160, CP-1161, CP-1162, CP-1163, CP-1164, CP-1165, CP-1166, CP-1167, CP-1168, CP-1169, CP-1170, CP-1171, CP-1172, CP-1173, CP-1174, CP-1175, CP-1176, CP-1177, CP-1178, CP-1179, CP-1180, CP-1181, CP-1182, CP-1183, CP-1184, CP-1185, CP-1186, CP-1187, CP-1188, CP-1189, CP-1190, CP-1191, CP-1192, CP-1193, CP-1194, CP-1195, CP-1196, CP-1197, CP-1198, CP-1199, CP-1200, CP-1201, CP-1202, CP-1203, CP-1204, CP-1205, CP-1206, CP-1207, CP-1208, CP-1209, CP-1210, CP-1211, CP-1212, CP-1213, CP-1214, CP-1215, CP-1216, CP-1217, CP-1218, CP-1219, CP-1220, CP-1221, CP-1222, CP-1223, CP-1224, CP-1225, CP-1226, CP-1227, CP-1228, CP-1229, CP-1230, CP-1231, CP-1232, CP-1233, CP-1234, CP-1235, CP-1236, CP-1237, CP-1238, CP-1239, CP-1240, CP-1241, CP-1242, CP-1243, CP-1244, CP-1245, CP-1246, CP-1247, CP-1248, CP-1249, CP-1250, CP-1251, CP-1252, CP-1253, CP-1254, CP-1255, CP-1256, CP-1257, CP-1258, CP-1259, CP-1260, CP-1261, CP-1262, CP-1263, CP-1264, CP-1265, CP-1266, CP-1267, CP-1268, CP-1269, CP-1270, CP-1271, CP-1272, CP-1273, CP-1274, CP-1275, CP-1276, CP-1277, CP-1278, CP-1279, CP-1280, CP-1281, CP-1282, CP-1283, CP-1284, CP-1285, CP-1286, CP-1287, CP-1288, CP-1289, CP-1290, CP-1291, CP-1292, CP-1293, CP-1294, CP-1295, CP-1296, CP-1297, CP-1298, CP-1299, CP-1300, CP-1301, CP-1302, CP-1303, CP-1304, CP-1305, CP-1306, CP-1307, CP-1308, CP-1309, CP-1310, CP-1311, CP-1312, CP-1313, CP-1314, CP-1315, CP-1316, CP-1317, CP-1318, CP-1319, CP-1320, CP-1321, CP-1322, CP-1323, CP-1324, CP-1325, CP-1326, CP-1327, CP-1328, CP-1329, CP-1330, CP-1331, CP-1332, CP-1333, CP-1334, CP-1335, CP-1336, CP-1337, CP-1338, CP-1339, CP-1340, CP-1341, CP-1342, CP-1343, CP-1344, CP-1345, CP-1346, CP-1347, CP-1348, CP-1349, CP-1350, CP-1351, CP-1352, CP-1353, CP-1354, CP-1355, CP-1356, CP-1357, CP-1358, CP-1359, CP-1360, CP-1361, CP-1362, CP-1363, CP-1364, CP-1365, CP-1366, CP-1367, CP-1368, CP-1369, CP-1370, CP-1371, CP-1372, CP-1373, CP-1374, CP-1375, CP-1376, CP-1377, CP-1378, CP-1379, CP-1380, CP-1381, CP-1382, CP-1383, CP-1384, CP-1385, CP-1386, CP-1387, CP-1388, CP-1389, CP-1390, CP-1391, CP-1392, CP-1393, CP-1394, CP-1395, CP-1396, CP-1397, CP-1398, CP-1399, CP-1400, CP-1401, CP-1402, CP-1403, CP-1404, CP-1405, CP-1406, CP-1407, CP-1408, CP-1409, CP-1410, CP-1411, CP-1412, CP-1413, CP-1414, CP-1415, CP-1416, CP-1417, CP-1418, CP-1419, CP-1420, CP-1421, CP-1422, CP-1423, CP-1424, CP-1425, CP-1426, CP-1427, CP-1428, CP-1429, CP-1430, CP-1431, CP-1432, CP-1433, CP-1434, CP-1435, CP-1436, CP-1437, CP-1438, CP-1439, CP-1440, CP-1441, CP-1442, CP-1443, CP-1444, CP-1445, CP-1446, CP-1447, CP-1448, CP-1449, CP-1450, CP-1451, CP-1452, CP-1453, CP-1454, CP-1455, CP-1456, CP-1457, CP-1458, CP-1459, CP-1460, CP-1461, CP-1462, CP-1463, CP-1464, CP-1465, CP-1466, CP-1467, CP-1468, CP-1469, CP-1470, CP-1471, CP-1472, CP-1473, CP-1474, CP-1475, CP-1476, CP-1477, CP-1478, CP-1479, CP-1480, CP-1481, CP-1482, CP-1483, CP-1484, CP-1485, CP-1486, CP-1487, CP-1488, CP-1489, CP-1490, CP-1491, CP-1492, CP-1493, CP-1494, CP-1495, CP-1496, CP-1497, CP-1498, CP-1499, CP-1500, CP-1501, CP-1502, CP-1503, CP-1504, CP-1505, CP-1506, CP-1507, CP-1508, CP-1509, CP-1510, CP-1511, CP-1512, CP-1513, CP-1514, CP-1515, CP-1516, CP-1517, CP-1518, CP-1519, CP-1520, CP-1521, CP-1522, CP-1523, CP-1524, CP-1525, CP-1526, CP-1527, CP-1528, CP-1529, CP-1530, CP-1531, CP-1532, CP-1533, CP-1534, CP-1535, CP-1536, CP-1537, CP-1538, CP-1539, CP-1540, CP-1541, CP-1542, CP-1543, CP-1544, CP-1545, CP-1546, CP-1547, CP-1548, CP-1549, CP-1550, CP-1551, CP-1552, CP-1553, CP-1554, CP-1555, CP-1556, CP-1557, CP-1558, CP-1559, CP-1560, CP-1561, CP-1562, CP-1563, CP-1564, CP-1565, CP-1566, CP-1567, CP-1568, CP-1569, CP-1570, CP-1571, CP-1572, CP-1573, CP-1574, CP-1575, CP-1576, CP-1577, CP-1578, CP-1579, CP-1580, CP-1581, CP-1582, CP-1583, CP-1584, CP-1585, CP-1586, CP-1587, CP-1588, CP-1589, CP-1590, CP-1591, CP-1592, CP-1593, CP-1594, CP-1595, CP-1596, CP-1597, CP-1598, CP-1599, CP-1600, CP-1601, CP-1602, CP-1603, CP-1604, CP-1605, CP-1606, CP-1607, CP-1608, CP-1609, CP-				
SIGNATURE & STAMP:				DATE:	



CERTIFICATE OF VISUAL THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION											
Client:		HALLIBURTON (TSS)			Report No:		QC-24-08-TSS-NDT-007				
Location:		TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER						
Date:		Thursday, August 29, 2024			Next Inspection Date:		Thursday, August 28, 2025				
Type Of Inspection:		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			Specification:		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)				
					UNIT DESCRIPTION:		3" BALON VALVE 600				
					UNIT S/N:		1WMP				
					SEPARATOR SAP NO:		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-Yoke Test Block		Equipment:		Digital Lux Meter		Equipment:		AC/DC Yoke	
S.No:		1657		S.No:		2722003		S.No:		201504052	
Cal Due Date:		14-Oct-24		Cal Due Date:		16-Oct-24		Cal Due Date:		14-Oct-24	
Black Magnetic Ink Manufacture:		Magnaflux		Batch No:		220605		Expiry Date:		JULY.2025	
Whie Contrast Paint Manufacture:		Magnaflux		Batch No:		220602		Expiry Date:		JUN,2025	
Technical Details:		Magnetic Partical Concentration		Method		WMPT Light Intensity		STAMP & SIGNATURE:			
		1.2 to 2.4 ml/100 ml		Wet Magnetic Particle Testing (WMPT)		3620 Lux					
Original - Client Files						Copy - Area Office					
QC/FN/MPI/065						Rev.00 DATED 07 Nov 2021					



CERTIFICATE OF VISUAL THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION											
Client:		HALLIBURTON (TSS)			Report No:		QC-24-08-TSS-NDT-008				
Location:		TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER						
Date:		Thursday, August 29, 2024			Next Inspection Date:		Thursday, August 28, 2025				
Type Of Inspection:		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			Specification:		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)				
					UNIT DESCRIPTION:		4" BALON VALVE 600				
					UNIT S/N:		7HGE				
					SEPARATOR SAP NO:		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-Yoke Test Block		Equipment:		Digital Lux Meter		Equipment:		AC/DC Yoke	
S.No:		1657		S.No:		2722003		S.No:		201504052	
Cal Due Date:		14-Oct-24		Cal Due Date:		16-Oct-24		Cal Due Date:		14-Oct-24	
Black Magnetic Ink Manufacture:		Magnaflux		Batch No:		220605		Expiry Date:		JULY.2025	
Whie Contrast Paint Manufacture:		Magnaflux		Batch No:		220602		Expiry Date:		JUN,2025	
Technical Details:		Magnetic Partical Concentration		Method		WMPT Light Intensity		STAMP & SIGNATURE:			
		1.2 to 2.4 ml/100 ml		Wet Magnetic Particle Testing (WMPT)		3620 Lux					
Original - Client Files						Copy - Area Office					
QC/FN/MPI/065						Rev.00 DATED 07 Nov 2021					



CERTIFICATE OF VISUAL THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION											
Client:		HALLIBURTON (TSS)			Report No:		QC-24-08-TSS-NDT-009				
Location:		TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER						
Date:		Thursday, August 29, 2024			Next Inspection Date:		Thursday, August 28, 2025				
Type Of Inspection:		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			Specification:		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)				
					UNIT DESCRIPTION:		3" BALON VALVE 600				
					UNIT S/N:		0041				
					SEPARATOR SAP NO:		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-Yoke Test Block		Equipment:		Digital Lux Meter		Equipment:		AC/DC Yoke	
S.No:		1657		S.No:		2722003		S.No:		201504052	
Cal Due Date:		14-Oct-24		Cal Due Date:		16-Oct-24		Cal Due Date:		14-Oct-24	
Black Magnetic Ink Manufacture:		Magnaflux		Batch No:		220605		Expiry Date:		JULY.2025	
Whie Contrast Paint Manufacture:		Magnaflux		Batch No:		220602		Expiry Date:		JUN,2025	
Technical Details:		Magnetic Partical Concentration		Method		WMPT Light Intensity		STAMP & SIGNATURE:			
		1.2 to 2.4 ml/100 ml		Wet Magnetic Particle Testing (WMPT)		3620 Lux					
Original - Client Files						Copy - Area Office					
QC/FN/MPI/065						Rev.00 DATED 07 Nov 2021					



CERTIFICATE OF VISUAL THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION											
Client:		HALLIBURTON (TSS)			Report No:		QC-24-08-TSS-NDT-010				
Location:		TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER						
Date:		Thursday, August 29, 2024			Next Inspection Date:		Thursday, August 28, 2025				
Type Of Inspection:		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			Specification:		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)				
					UNIT DESCRIPTION:		2" BALON VALVE 600				
					UNIT S/N:		0FMW				
					SEPARATOR SAP NO:		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-Yoke Test Block		Equipment:		Digital Lux Meter		Equipment:		AC/DC Yoke	
S.No:		1657		S.No:		2722003		S.No:		201504052	
Cal Due Date:		14-Oct-24		Cal Due Date:		16-Oct-24		Cal Due Date:		14-Oct-24	
Black Magnetic Ink Manufacture:		Magnaflux		Batch No:		220605		Expiry Date:		JULY.2025	
Whie Contrast Paint Manufacture:		Magnaflux		Batch No:		220602		Expiry Date:		JUN,2025	
Technical Details:		Magnetic Partical Concentration		Method		WMPT Light Intensity		STAMP & SIGNATURE:			
		1.2 to 2.4 ml/100 ml		Wet Magnetic Particle Testing (WMPT)		3620 Lux					
Original - Client Files						Copy - Area Office					
QC/FN/MPI/065						Rev.00 DATED 07 Nov 2021					



CERTIFICATE OF VISUAL THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION											
Client:		HALLIBURTON (TSS)			Report No:		QC-24-08-TSS-NDT-011				
Location:		TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER						
Date:		Thursday, August 29, 2024			Next Inspection Date:		Thursday, August 28, 2025				
Type Of Inspection:		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			Specification:		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)				
					UNIT DESCRIPTION:		2" BALON VALVE 600				
					UNIT S/N:		3FMW				
					SEPARATOR SAP NO:		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-Yoke Test Block		Equipment:		Digital Lux Meter		Equipment:		AC/DC Yoke	
S.No:		1657		S.No:		2722003		S.No:		201504052	
Cal Due Date:		14-Oct-24		Cal Due Date:		16-Oct-24		Cal Due Date:		14-Oct-24	
Black Magnetic Ink Manufacture:		Magnaflux		Batch No:		220605		Expiry Date:		JULY.2025	
Whie Contrast Paint Manufacture:		Magnaflux		Batch No:		220602		Expiry Date:		JUN,2025	
Technical Details:		Magnetic Partical Concentration		Method		WMPT Light Intensity		STAMP & SIGNATURE:			
		1.2 to 2.4 ml/100 ml		Wet Magnetic Particle Testing (WMPT)		3620 Lux					
Original - Client Files						Copy - Area Office					
QC/FN/MPI/065						Rev.00 DATED 07 Nov 2021					



CERTIFICATE OF VISUAL THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION											
Client:		HALLIBURTON (TSS)			Report No:		QC-24-08-TSS-NDT-012				
Location:		TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER						
Date:		Thursday, August 29, 2024			Next Inspection Date:		Thursday, August 28, 2025				
Type Of Inspection:		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			Specification:		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)				
					UNIT DESCRIPTION:		2" BALON VALVE 600				
					UNIT S/N:		1FMK				
					SEPARATOR SAP NO:		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-Yoke Test Block		Equipment:		Digital Lux Meter		Equipment:		AC/DC Yoke	
S.No:		1657		S.No:		2722003		S.No:		201504052	
Cal Due Date:		14-Oct-24		Cal Due Date:		16-Oct-24		Cal Due Date:		14-Oct-24	
Black Magnetic Ink Manufacture:		Magnaflux		Batch No:		220605		Expiry Date:		JULY.2025	
Whie Contrast Paint Manufacture:		Magnaflux		Batch No:		220602		Expiry Date:		JUN,2025	
Technical Details:		Magnetic Partical Concentration		Method		WMPT Light Intensity		STAMP & SIGNATURE:			
		1.2 to 2.4 ml/100 ml		Wet Magnetic Particle Testing (WMPT)		3620 Lux					
Original - Client Files						Copy - Area Office					
QC/FN/MPI/065						Rev.00 DATED 07 Nov 2021					



CERTIFICATE OF VISUAL THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION											
Client:		HALLIBURTON (TSS)			Report No:		QC-24-08-TSS-NDT-013				
Location:		TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER						
Date:		Thursday, August 29, 2024			Next Inspection Date:		Thursday, August 28, 2025				
Type Of Inspection:		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			Specification:		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)				
					UNIT DESCRIPTION:		3" BALON VALVE 600				
					UNIT S/N:		00DBG				
					SEPARATOR SAP NO:		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-Yoke Test Block		Equipment:		Digital Lux Meter		Equipment:		AC/DC Yoke	
S.No:		1657		S.No:		2722003		S.No:		201504052	
Cal Due Date:		14-Oct-24		Cal Due Date:		16-Oct-24		Cal Due Date:		14-Oct-24	
Black Magnetic Ink Manufacture:		Magnaflux		Batch No:		220605		Expiry Date:		JULY.2025	
Whie Contrast Paint Manufacture:		Magnaflux		Batch No:		220602		Expiry Date:		JUN,2025	
Technical Details:		Magnetic Partical Concentration		Method		WMPT Light Intensity		STAMP & SIGNATURE:			
		1.2 to 2.4 ml/100 ml		Wet Magnetic Particle Testing (WMPT)		3620 Lux					
Original - Client Files						Copy - Area Office					
QC/FN/MPI/065						Rev.00 DATED 07 Nov 2021					



CERTIFICATE OF VISUAL THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION											
Client:		HALLIBURTON (TSS)			Report No:		QC-24-08-TSS-NDT-014				
Location:		TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER						
Date:		Thursday, August 29, 2024			Next Inspection Date:		Thursday, August 28, 2025				
Type Of Inspection:		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			Specification:		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)				
					UNIT DESCRIPTION:		2" BALON VALVE 600				
					UNIT S/N:		4FMW				
					SEPARATOR SAP NO:		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-Yoke Test Block		Equipment:		Digital Lux Meter		Equipment:		AC/DC Yoke	
S.No:		1657		S.No:		2722003		S.No:		201504052	
Cal Due Date:		14-Oct-24		Cal Due Date:		16-Oct-24		Cal Due Date:		14-Oct-24	
Black Magnetic Ink Manufacture:		Magnaflux		Batch No:		220605		Expiry Date:		JULY.2025	
Whie Contrast Paint Manufacture:		Magnaflux		Batch No:		220602		Expiry Date:		JUN,2025	
Technical Details:		Magnetic Partical Concentration		Method		WMPT Light Intensity		STAMP & SIGNATURE:			
		1.2 to 2.4 ml/100 ml		Wet Magnetic Particle Testing (WMPT)		3620 Lux					
Original - Client Files						Copy - Area Office					
QC/FN/MPI/065						Rev.00 DATED 07 Nov 2021					



CERTIFICATE OF VISUAL THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION											
Client:		HALLIBURTON (TSS)			Report No:		QC-24-08-TSS-NDT-015				
Location:		TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER						
Date:		Thursday, August 29, 2024			Next Inspection Date:		Thursday, August 28, 2025				
Type Of Inspection:		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			Specification:		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)				
					UNIT DESCRIPTION:		3" BALON VALVE 600				
					UNIT S/N:		2WMS				
					SEPARATOR SAP NO:		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-Yoke Test Block		Equipment:		Digital Lux Meter		Equipment:		AC/DC Yoke	
S.No:		1657		S.No:		2722003		S.No:		201504052	
Cal Due Date:		14-Oct-24		Cal Due Date:		16-Oct-24		Cal Due Date:		14-Oct-24	
Black Magnetic Ink Manufacture:		Magnaflux		Batch No:		220605		Expiry Date:		JULY.2025	
Whie Contrast Paint Manufacture:		Magnaflux		Batch No:		220602		Expiry Date:		JUN,2025	
Technical Details:		Magnetic Partical Concentration		Method		WMPT Light Intensity		STAMP & SIGNATURE:			
		1.2 to 2.4 ml/100 ml		Wet Magnetic Particle Testing (WMPT)		3620 Lux					
Original - Client Files						Copy - Area Office					
QC/FN/MPI/065						Rev.00 DATED 07 Nov 2021					



CERTIFICATE OF VISUAL THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION											
Client:		HALLIBURTON (TSS)			Report No:		QC-24-08-TSS-NDT-016				
Location:		TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER						
Date:		Thursday, August 29, 2024			Next Inspection Date:		Thursday, August 28, 2025				
Type Of Inspection:		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			Specification:		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)				
					UNIT DESCRIPTION:		2" BALON VALVE 600				
					UNIT S/N:		3FML				
					SEPARATOR SAP NO:		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-Yoke Test Block		Equipment:		Digital Lux Meter		Equipment:		AC/DC Yoke	
S.No:		1657		S.No:		2722003		S.No:		201504052	
Cal Due Date:		14-Oct-24		Cal Due Date:		16-Oct-24		Cal Due Date:		14-Oct-24	
Black Magnetic Ink Manufacture:		Magnaflux		Batch No:		220605		Expiry Date:		JULY.2025	
Whie Contrast Paint Manufacture:		Magnaflux		Batch No:		220602		Expiry Date:		JUN,2025	
Technical Details:		Magnetic Partical Concentration		Method		WMPT Light Intensity		STAMP & SIGNATURE:			
		1.2 to 2.4 ml/100 ml		Wet Magnetic Particle Testing (WMPT)		3620 Lux					
Original - Client Files						Copy - Area Office					
QC/FN/MPI/065						Rev.00 DATED 07 Nov 2021					



CERTIFICATE OF VISUAL THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION											
Client:		HALLIBURTON (TSS)			Report No:		QC-24-08-TSS-NDT-017				
Location:		TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER						
Date:		Thursday, August 29, 2024			Next Inspection Date:		Thursday, August 28, 2025				
Type Of Inspection:		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			Specification:		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)				
					UNIT DESCRIPTION:		3" BALON VALVE 600				
					UNIT S/N:		01JOC				
					SEPARATOR SAP NO:		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-Yoke Test Block		Equipment:		Digital Lux Meter		Equipment:		AC/DC Yoke	
S.No:		1657		S.No:		2722003		S.No:		201504052	
Cal Due Date:		14-Oct-24		Cal Due Date:		16-Oct-24		Cal Due Date:		14-Oct-24	
Black Magnetic Ink Manufacture:		Magnaflux		Batch No:		220605		Expiry Date:		JULY.2025	
Whie Contrast Paint Manufacture:		Magnaflux		Batch No:		220602		Expiry Date:		JUN,2025	
Technical Details:		Magnetic Partical Concentration		Method		WMPT Light Intensity		STAMP & SIGNATURE:			
		1.2 to 2.4 ml/100 ml		Wet Magnetic Particle Testing (WMPT)		3620 Lux					
Original - Client Files						Copy - Area Office					
QC/FN/MPI/065						Rev.00 DATED 07 Nov 2021					



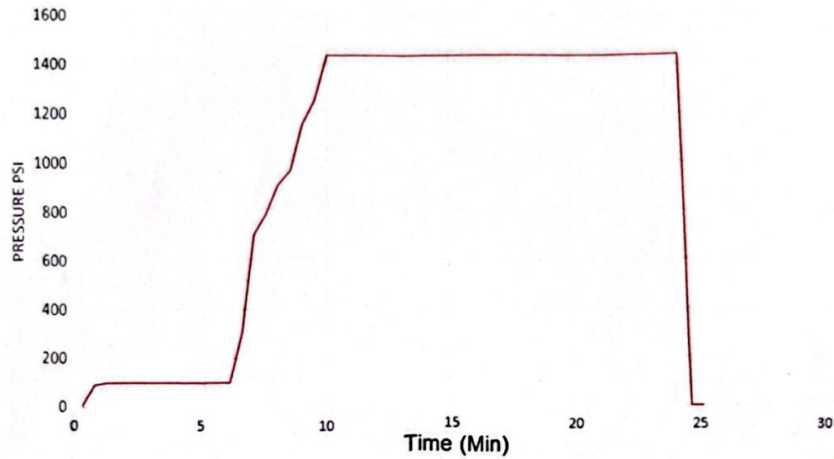
CERTIFICATE OF VISUAL THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION											
Client:		HALLIBURTON (TSS)			Report No:		QC-24-08-TSS-NDT-018				
Location:		TSS WORKSHOP & INSPECTION TEST AREA			WORK ORDER						
Date:		Thursday, August 29, 2024			Next Inspection Date:		Thursday, August 28, 2025				
Type Of Inspection:		VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			Specification:		ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)				
					UNIT DESCRIPTION:		2" BALON VALVE 600				
					UNIT S/N:		1FMW				
					SEPARATOR SAP NO:		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-Yoke Test Block		Equipment:		Digital Lux Meter		Equipment:		AC/DC Yoke	
S.No:		1657		S.No:		2722003		S.No:		201504052	
Cal Due Date:		14-Oct-24		Cal Due Date:		16-Oct-24		Cal Due Date:		14-Oct-24	
Black Magnetic Ink Manufacture:		Magnaflux		Batch No:		220605		Expiry Date:		JULY.2025	
Whie Contrast Paint Manufacture:		Magnaflux		Batch No:		220602		Expiry Date:		JUN,2025	
Technical Details:		Magnetic Partical Concentration		Method		WMPT Light Intensity		STAMP & SIGNATURE:			
		1.2 to 2.4 ml/100 ml		Wet Magnetic Particle Testing (WMPT)		3620 Lux					
Original - Client Files						Copy - Area Office					
QC/FN/MPI/065						Rev.00 DATED 07 Nov 2021					

Data Collection Report

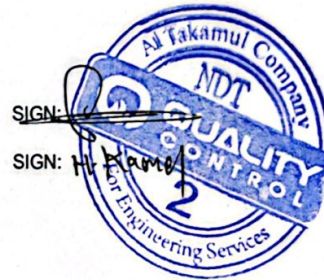
Gauge Information	
Serial Number	218230280019
Model	ADT680W-25-GP30K-PSI-AM
Calibration Date	7-Mar-24
Range	30000 PSI

Run Info	
Start Time	7:23 AM
Stop Time	7:48 AM
Test Date	20-Sep-24
EQ NUMBER	11520758

READING



TESTED BY : Feras Abbas
APPROVED BY: Hassan Kamel
COMMENTS: Body Test

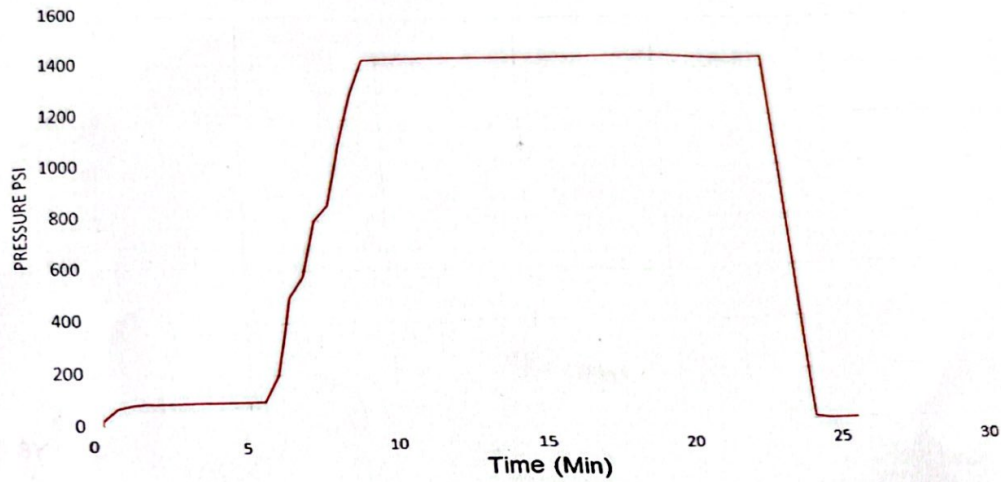


Data Collection Report

Gauge Information	
Serial Number	218230280019
Model	ADT680W-25-GP30K-PSI-AM
Calibration Date	7-Mar-24
Range	30000 PSI

Run Info	
Start Time	7:59 AM
Stop Time	8:23 AM
Test Date	20-Sep-24
EQ NUMBER	11520758

READING



TESTED BY : Feras Abbas

APPROVED BY: Hassan Kamel

COMMENTS: Againts downstream, close gas, oil and water outlet valve

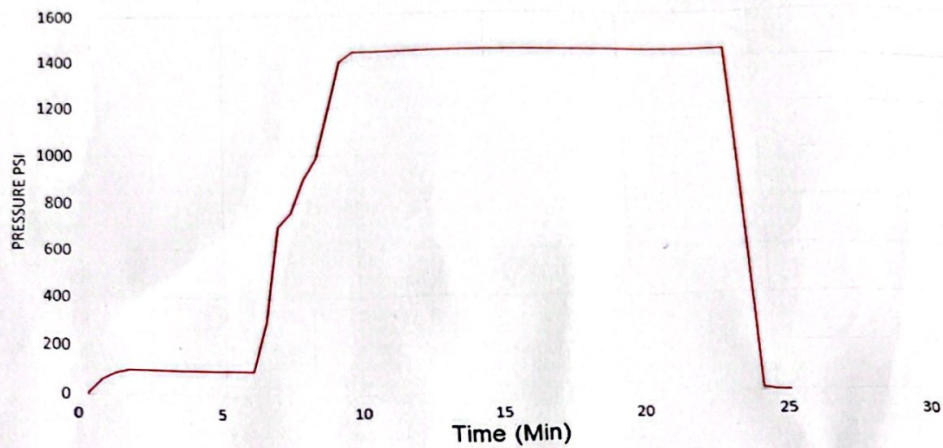


Data Collection Report

Gauge Information	
Serial Number	218230280019
Model	ADT680W-25-GP30K-PSI-AM
Calibration Date	7-Mar-24
Range	30000 PSI

Run Info	
Start Time	8:31 AM
Stop Time	8:55 AM
Test Date	20-Sep-24
EQ NUMBER	11520758

READING



TESTED BY : Feras Abbas

APPROVED BY: Hassan Kamel

COMMENTS: Test against inlet check v. and oil/ water bypass, close oil/ water bypass valve, gas, oil, and water outlet v.

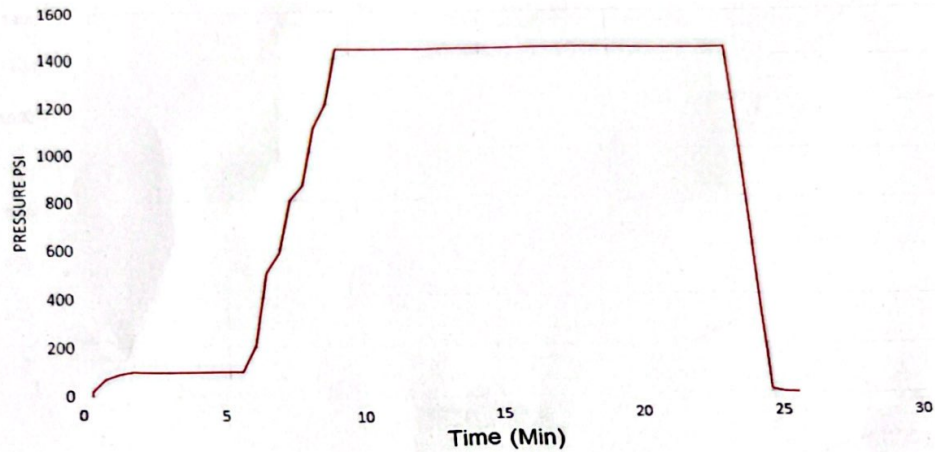


Data Collection Report

Gauge Information	
Serial Number	218230280019
Model	ADT680W-25-GP30K-PSI-AM
Calibration Date	7-Mar-24
Range	30000 PSI

Run Info	
Start Time	9:03 AM
Stop Time	9:28 AM
Test Date	20-Sep-24
EQ NUMBER	11520758

READING



TESTED BY : Feras Abbas
APPROVED BY: Hassan Kamel
COMMENTS: Against downstream valves

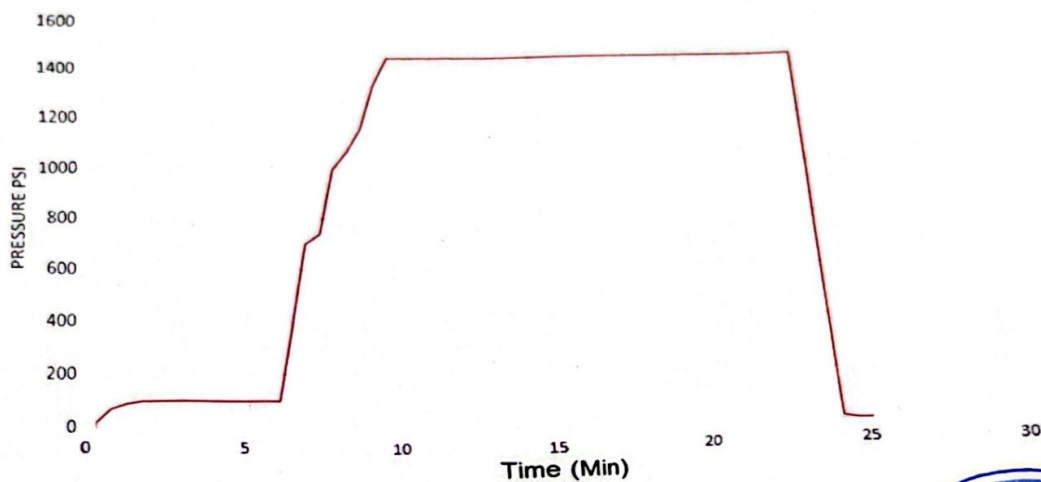


Data Collection Report

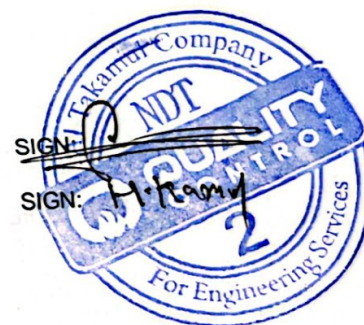
Gauge Information	
Serial Number	218230280019
Model	ADT680W-25-GP30K-PSI-AM
Calibration Date	7-Mar-24
Range	30000 PSI

Run Info	
Start Time	9:34 AM
Stop Time	9:58 AM
Test Date	20-Sep-24
EQ NUMBER	11520758

READING



TESTED BY : Feras Abbas
APPROVED BY: Hassan Kamel
COMMENTS: Inlet, oil Bypass and Gas bypass Valve Test

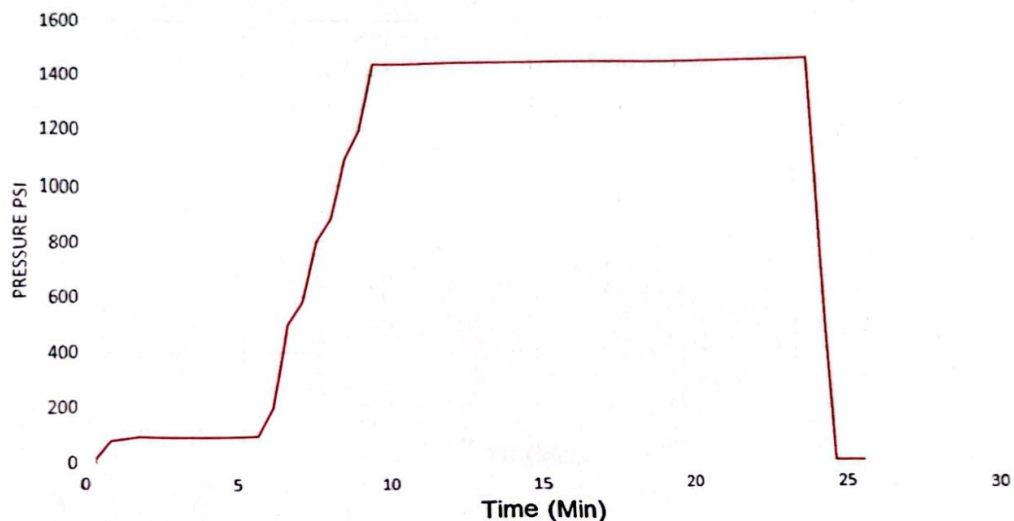


Data Collection Report

Gauge Information	
Serial Number	218230280019
Model	ADT680W-25-GP30K-PSI-AM
Calibration Date	7-Mar-24
Range	30000 PSI

Run Info	
Start Time	10:06 AM
Stop Time	10:31 AM
Test Date	20-Sep-24
EQ NUMBER	11520758

READING



TESTED BY : Feras Abbas
APPROVED BY: Hassan Kamel
COMMENTS: Inlet, Gas, Oil and Water Check Valve Test

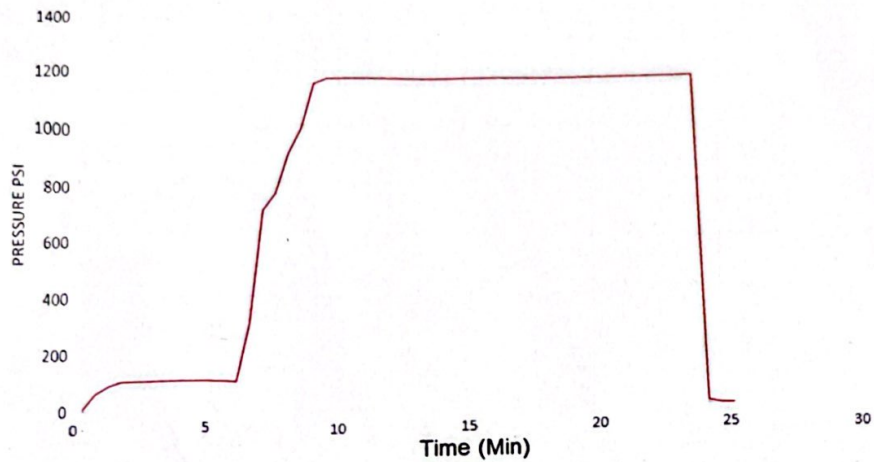


Data Collection Report

Gauge Information	
Serial Number	218230280019
Model	ADT680W-25-GP30K-PSI-AM
Calibration Date	7-Mar-24
Range	30000 PSI

Run Info	
Start Time	11:02 AM
Stop Time	11:26 AM
Test Date	20-Sep-24
EQ NUMBER	11520758

READING



TESTED BY: Feras Abbas
APPROVED BY: Hassan Kamel
COMMENTS: Body/ Shell Test @90% of PRV Set Point

