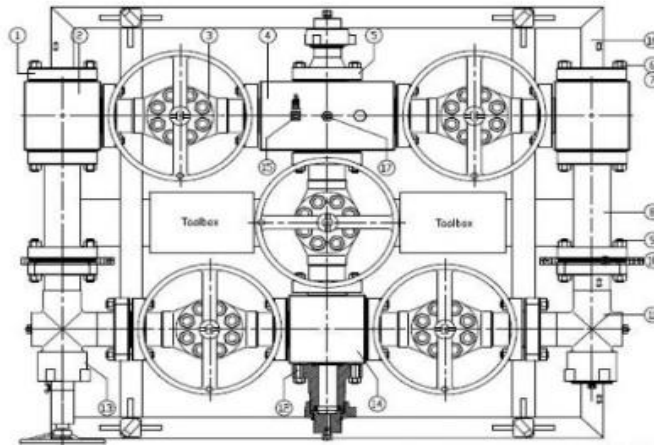


CERTIFICATE OF QUALIFICATION VISUAL AND WITNESS PRESSURE TEST

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT No.:	QC-25-05-TSS-NDT-CMF-001
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	JOB NO :	19052025
WORK ORDER #	328007117	SPECIFICATION:	ASME B31.1-2024 LATEST EDITION / CUSTOMER SPECIFICATION
DATE OF INSPECTION :	Tuesday, May 20, 2025		
TYPE OF INSPECTION:	VISUAL INSPECTION AND WITNESS PRESSURE TEST		
DESCRIPTION:	CHOKE MANIFOLD 3 1/16" 10K	SAP NO:	11574323
LOW PRESSURE TEST	300 psi	HOLDING TIME:	05 MINUTES
MAXIMUM WORKING PRESSURE TEST	10,000 Psi	HOLDING TIME:	15 MINUTES
Pump NO.:	EQ NO:13119220	CAL DUE DATE:	19.AUG.2025
Pressure Gauge NO.:	218230280019	CAL DUE DATE:	28.FEB.2026



ONLINE TRACEABILITY

PRESSURE TEST WITNESS RESULT

BODY PRESSURE TEST	The Above Item was Pressure Tested up to 300 PSI A low Pressure Hold for 5 min And Maximum Working pressure 10.000 psi Hold 15 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached
DOWNSTREAM AND BYPASS VALVE CLOSED, UPSTREAM VALVE OPEN , OUTLET OPEN PRESSURE TEST	The Above Item was Pressure Tested up to 300 PSI A low Pressure Hold for 5 min And Maximum Working pressure 10.000 psi Hold 15 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached
UPSTREAM AND BYPASS VALVE CLOSED, DOWNSTREAM VALVE OPEN , OUTLET OPEN PRESSURE TEST	The Above Item was Pressure Tested up to 300 PSI A low Pressure Hold for 5 min And Maximum Working pressure 10.000 psi Hold 15 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached
DOWNSTREAM AND BYPASS VALVE CLOSED, UPSTREAM VALVE OPEN , INLET OPEN PRESSURE TEST	The Above Item was Pressure Tested up to 300 PSI A low Pressure Hold for 5 min And Maximum Working pressure 10.000 psi Hold 15 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached
UPSTREAM AND BYPASS VALVE CLOSED, DOWNSTREAM VALVE OPEN , INLET PRESSURE TEST	The Above Item was Pressure Tested up to 300 PSI A low Pressure Hold for 5 min And Maximum Working pressure 10.000 psi Hold 15 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached

PERSON DETAILS

REVIEW BY

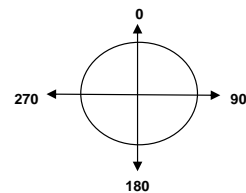
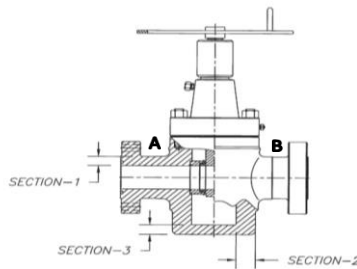
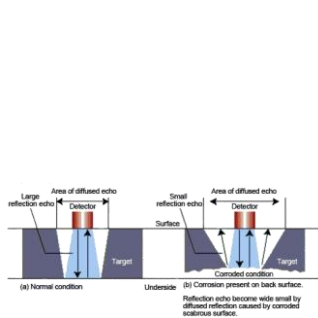
INSPECTOR NAME:	M. Shazad Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	ASNT CP	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	



CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT NO.:	QC-25-05-TSS-NDT-CMF-002
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709-21 & ASTM E797-21 & API 6A :2024
WORK ORDER #	328007117		
DATE OF INSPECTION:	Sunday, May 18, 2025	NEXT INSPECTION DATE:	Sunday, May 17, 2026
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		
DESCRIPTION:	GATE VALVE: 3 1/16" 10K	CHOKE MANIFOLD NO :	11574323
MANUFACTURER:	WORD WIDE OIL FIELD	SERIAL NO:	107055-1-10-1



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

ANGLE	THICKNESS AT POSITION				MINIMUM THICKNESS IN INCHES		
	SECTION-1 A	SECTION-1 B	SECTION-2	SECTION-3	SECTION-1	SECTION-2	SECTION-3
0°	1.187	1.220	2.065	2.070	1.060	1.450	1.250
90°	1.194	1.197	2.050	2.102	1.060	1.450	1.250
180°	1.201	1.219	2.009	2.043	1.060	1.450	1.250
270°	1.164	1.172	1.995	2.033	1.060	1.450	1.250

INSPECTION RESULT

VT & MPI	Accepted	According to ASTM E709-21
UT	Accepted	According to ASTM E 797-21
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 According to ASTM E709-21

U.T-The Above Item Was Found Acceptable As Per ASTM E797-21

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	07-OCT-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	09-OCT-2025		Magnaflux	230408	APRIL,2026
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	07-OCT-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	08-OCT-2025		Magnaflux	230604	JUNE, 2026
ASTM Test Block:	1657	CAL DUE DATE	07-OCT-2025	Concentration Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3610 lux						

PERSON DETAILS

REVIEW BY

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



AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

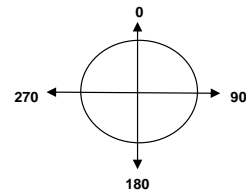
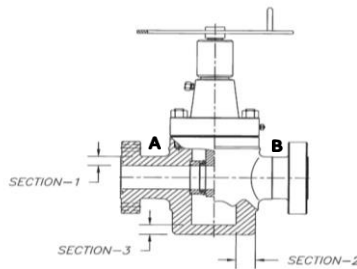
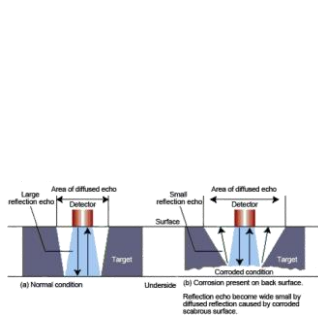
Basra, North Rumaila, Quality Control Yard - Iraq



CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT NO.:	QC-25-05-TSS-NDT-CMF-003
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709-21 & ASTM E797-21 & API 6A :2024
WORK ORDER #	328007117		
DATE OF INSPECTION:	Sunday, May 18, 2025	NEXT INSPECTION DATE:	Sunday, May 17, 2026
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		
DESCRIPTION:	GATE VALVE: 3 1/16" 10K	CHOKE MANIFOLD NO :	11574323
MANUFACTURER:	WORD WIDE OIL FIELD	SERIAL NO:	107055-1-10-2



ONLINE TRACEABILITY

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

ANGLE	THICKNESS AT POSITION				MINIMUM THICKNESS IN INCHES		
	SECTION-1 A	SECTION-1 B	SECTION-2	SECTION-3	SECTION-1	SECTION-2	SECTION-3
0°	1.166	1.199	2.044	2.049	1.060	1.450	1.250
90°	1.139	1.142	1.995	2.047	1.060	1.450	1.250
180°	1.146	1.164	1.988	2.022	1.060	1.450	1.250
270°	1.189	1.197	2.020	2.058	1.060	1.450	1.250

INSPECTION RESULT

VT & MPI	Accepted	According to ASTM E709-21
UT	Accepted	According to ASTM E 797-21
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 According to ASTM E709-21

U.T-The Above Item Was Found Acceptable As Per ASTM E797-21

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	07-OCT-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	09-OCT-2025		Magnaflux	230408	APRIL,2026
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	07-OCT-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	08-OCT-2025		Magnaflux	230604	JUNE, 2026
ASTM Test Block:	1657	CAL DUE DATE	07-OCT-2025	Concentration Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3610 lux						

PERSON DETAILS

REVIEW BY

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

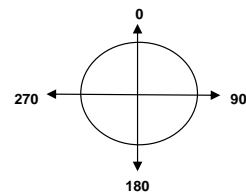
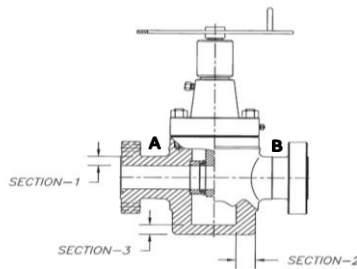
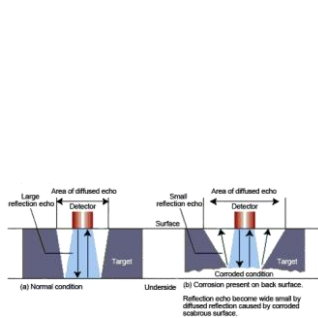
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CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT NO.:	QC-25-05-TSS-NDT-CMF-004
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709-21 & ASTM E797-21 & API 6A :2024
WORK ORDER #	328007117		
DATE OF INSPECTION:	Sunday, May 18, 2025	NEXT INSPECTION DATE:	Sunday, May 17, 2026
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		
DESCRIPTION:	GATE VALVE: 3 1/16" 10K	CHOKE MANIFOLD NO :	11574323
MANUFACTURER:	WORD WIDE OIL FIELD	SERIAL NO:	107055-1-10-3



ONLINE TRACEABILITY

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

ANGLE	THICKNESS AT POSITION				MINIMUM THICKNESS IN INCHES		
	SECTION-1 A	SECTION-1 B	SECTION-2	SECTION-3	SECTION-1	SECTION-2	SECTION-3
0°	1.198	1.205	2.050	2.137	1.060	1.450	1.250
90°	1.210	1.201	2.054	2.106	1.060	1.450	1.250
180°	1.198	1.202	1.994	2.028	1.060	1.450	1.250
270°	1.221	1.229	2.052	2.090	1.060	1.450	1.250

INSPECTION RESULT

VT & MPI	Accepted	According to ASTM E709-21
UT	Accepted	According to ASTM E 797-21
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 According to ASTM E709-21

U.T-The Above Item Was Found Acceptable As Per ASTM E797-21

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	07-OCT-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	09-OCT-2025		Magnaflux	230408	APRIL,2026
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	07-OCT-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	08-OCT-2025		Magnaflux	230604	JUNE, 2026
ASTM Test Block:	1657	CAL DUE DATE	07-OCT-2025	Concentration Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3610 lux						

PERSON DETAILS

REVIEW BY

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



AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

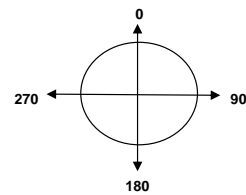
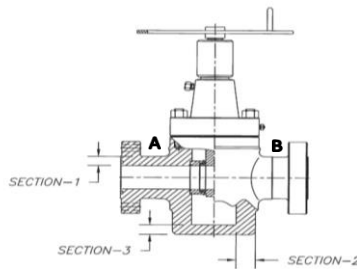
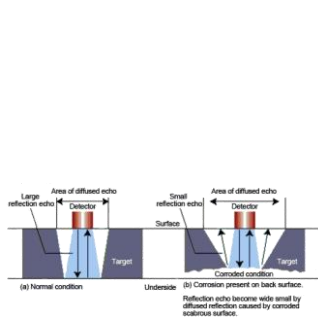
Basra, North Rumaila, Quality Control Yard - Iraq



CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT NO.:	QC-25-05-TSS-NDT-CMF-005
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709-21 & ASTM E797-21 & API 6A :2024
WORK ORDER #	328007117		
DATE OF INSPECTION:	Sunday, May 18, 2025	NEXT INSPECTION DATE:	Sunday, May 17, 2026
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		
DESCRIPTION:	GATE VALVE: 3 1/16" 10K	CHOKE MANIFOLD NO :	11574323
MANUFACTURER:	WORD WIDE OIL FIELD	SERIAL NO:	107055-1-10-4



ONLINE TRACEABILITY

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

ANGLE	THICKNESS AT POSITION				MINIMUM THICKNESS IN INCHES		
	SECTION-1 A	SECTION-1 B	SECTION-2	SECTION-3	SECTION-1	SECTION-2	SECTION-3
0°	1.181	1.214	2.059	2.064	1.060	1.450	1.250
90°	1.193	1.196	2.049	2.101	1.060	1.450	1.250
180°	1.199	1.217	2.003	2.037	1.060	1.450	1.250
270°	1.183	1.191	2.014	2.052	1.060	1.450	1.250

INSPECTION RESULT

VT & MPI	Accepted	According to ASTM E709-21
UT	Accepted	According to ASTM E 797-21
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 According to ASTM E709-21

U.T-The Above Item Was Found Acceptable As Per ASTM E797-21

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	07-OCT-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	09-OCT-2025		Magnaflux	230408	APRIL,2026
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	07-OCT-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	08-OCT-2025		Magnaflux	230604	JUNE, 2026
ASTM Test Block:	1657	CAL DUE DATE	07-OCT-2025	Concentration Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3610 lux						

PERSON DETAILS

REVIEW BY

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

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AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

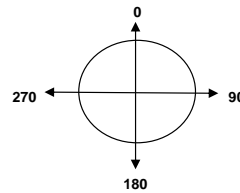
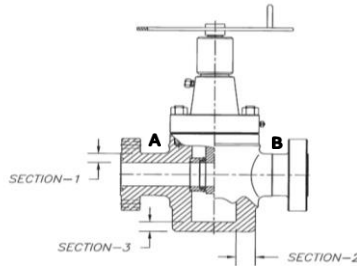
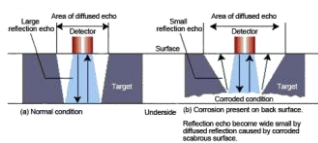
Basra, North Rumaila, Quality Control Yard - Iraq



CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT NO.:	QC-25-05-TSS-NDT-CMF-006
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709-21 & ASTM E797-21 & API 6A :2024
WORK ORDER #	328007117		
DATE OF INSPECTION:	Sunday, May 18, 2025	NEXT INSPECTION DATE:	Sunday, May 17, 2026
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		
DESCRIPTION:	GATE VALVE: 3 1/16" 10K	CHOKE MANIFOLD NO :	11574323
MANUFACTURER:	WORD WIDE OIL FIELD	SERIAL NO:	107055-1-10-5



ONLINE TRACEABILITY

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

ANGLE	THICKNESS AT POSITION				MINIMUM THICKNESS IN INCHES		
	SECTION-1 A	SECTION-1 B	SECTION-2	SECTION-3	SECTION-1	SECTION-2	SECTION-3
0°	1.179	1.212	2.057	2.073	1.060	1.450	1.250
90°	1.191	1.194	2.047	2.099	1.060	1.450	1.250
180°	1.168	1.186	2.001	2.035	1.060	1.450	1.250
270°	1.175	1.183	2.006	2.044	1.060	1.450	1.250

INSPECTION RESULT

VT & MPI	Accepted	According to ASTM E709-21
UT	Accepted	According to ASTM E 797-21
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 According to ASTM E709-21

U.T-The Above Item Was Found Acceptable As Per ASTM E797-21

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	07-OCT-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	09-OCT-2025		Magnaflux	230408	APRIL,2026
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	07-OCT-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	08-OCT-2025		Magnaflux	230604	JUNE, 2026
ASTM Test Block:	1657	CAL DUE DATE	07-OCT-2025	Concentration Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3610 lux						

PERSON DETAILS

REVIEW BY

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

Original - Client Files Copy - Area Office QC/FN/PT/077 Rev.00 DATED 07.NOV.2021



AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

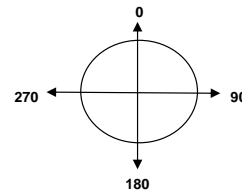
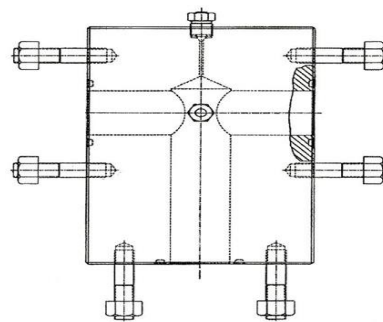
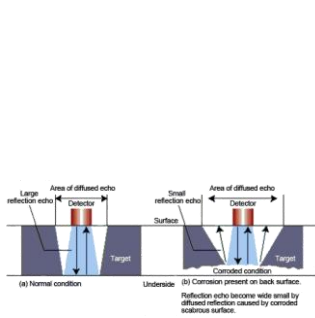


CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT NO.:	QC-25-05-TSS-NDT-CMF-007
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709-21 & ASTM E797-21 & API 6A :2024
WORK ORDER #	328007117		
DATE OF INSPECTION:	Sunday, May 18, 2025	NEXT INSPECTION DATE:	Sunday, May 17, 2026
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

DESCRIPTION:	BLOCK 3 1/16" 10K	CHOKE MANIFOLD NO :	11574323
MANUFACTURER:	WORD WIDE OIL FIELD	SERIAL NO:	107055-1-5-1



ONLINE TRACEABILITY

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

ANGLE	THICKNESS AT POSITION			MINIMUM THICKNESS
	A	B	C	
0°	4.523	4.535	4.548	4.320 INCH
90°	4.518	4.521	4.522	
180°	4.534	4.557	4.539	
270°	4.527	4.535	4.544	

INSPECTION RESULT

VT & MPI	Accepted	According to ASTM E709-21
UT	Accepted	According to ASTM E 797-21
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 According to ASTM E709-21

U.T-The Above Item Was Found Acceptable As Per ASTM E797-21

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	07-OCT-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	09-OCT-2025		Magnaflux	230408	APRIL,2026
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	07-OCT-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	08-OCT-2025		Magnaflux	230604	JUNE, 2026
ASTM Test Block:	1657	CAL DUE DATE	07-OCT-2025	Concentration Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3610 lux						

PERSON DETAILS

REVIEW BY

INSPECTOR NAME:	M. Sana'ad Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI	HR&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

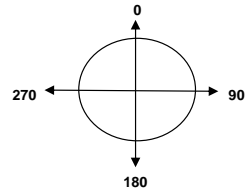
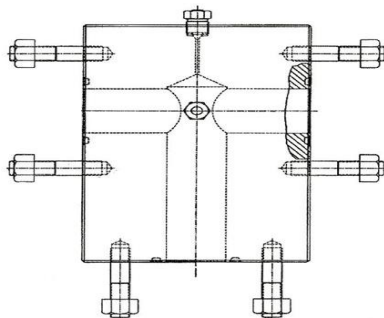
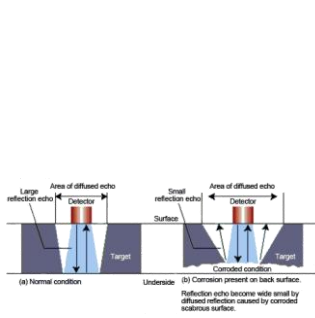


CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT NO.:	QC-25-05-TSS-NDT-CMF-008
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709-21 & ASTM E797-21 & API 6A :2024
WORK ORDER #	328007117		
DATE OF INSPECTION:	Sunday, May 18, 2025	NEXT INSPECTION DATE:	Sunday, May 17, 2026
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

DESCRIPTION:	BLOCK 3 1/16" 10K	CHOKE MANIFOLD NO :	11574323
MANUFACTURER:	WORD WIDE OIL FIELD	SERIAL NO:	107055-1-6-1



ONLINE TRACEABILITY

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

ANGLE	THICKNESS AT POSITION			MINMUM THICKNESS
	A	B	C	
0°	4.503	4.511	4.524	4.320 INCH
90°	4.510	4.513	4.514	
180°	4.524	4.547	4.515	
270°	4.542	4.550	4.559	

INSPECTION RESULT

VT & MPI	Accepted	According to ASTM E709-21
UT	Accepted	According to ASTM E 797-21
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 According to ASTM E709-21

U.T-The Above Item Was Found Acceptable As Per ASTM E797-21

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	07-OCT-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	09-OCT-2025		Magnaflux	230408	APRIL,2026
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	07-OCT-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	08-OCT-2025		Magnaflux	230604	JUNE, 2026
ASTM Test Block:	1657	CAL DUE DATE	07-OCT-2025	Concentration Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3610 lux						

PERSON DETAILS

REVIEW BY

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

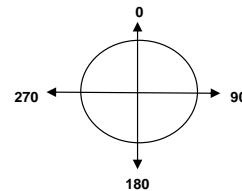
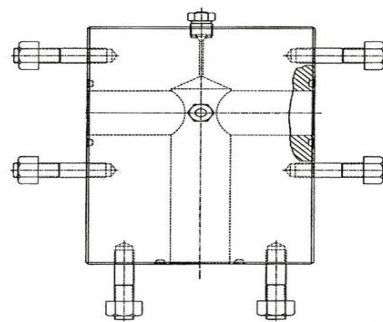
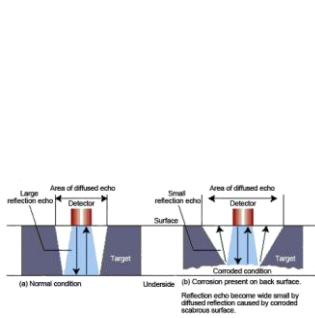


CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT NO.:	QC-25-05-TSS-NDT-CMF-009
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709-21 & ASTM E797-21 & API 6A :2024
WORK ORDER #	328007117		
DATE OF INSPECTION:	Sunday, May 18, 2025	NEXT INSPECTION DATE:	Sunday, May 17, 2026
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

DESCRIPTION:	BLOCK 3 1/16" 10K	CHOKE MANIFOLD NO :	11574323
MANUFACTURER:	WORD WIDE OIL FIELD	SERIAL NO:	107055-1-7-1



ONLINE TRACEABILITY

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

ANGLE	THICKNESS AT POSITION			MINMUM THICKNESS
	A	B	C	
0°	4.489	4.532	4.545	4.320 INCH
90°	4.496	4.499	4.500	
180°	4.510	4.533	4.536	
270°	4.528	4.536	4.545	

INSPECTION RESULT

VT & MPI	Accepted	According to ASTM E709-21
UT	Accepted	According to ASTM E 797-21
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 According to ASTM E709-21

U.T-The Above Item Was Found Acceptable As Per ASTM E797-21

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	07-OCT-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	09-OCT-2025		Magnaflux	230408	APRIL,2026
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	07-OCT-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	08-OCT-2025		Magnaflux	230604	JUNE, 2026
ASTM Test Block:	1657	CAL DUE DATE	07-OCT-2025	Concentration Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3610 lux						

PERSON DETAILS

REVIEW BY

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

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

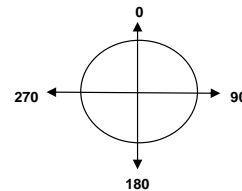
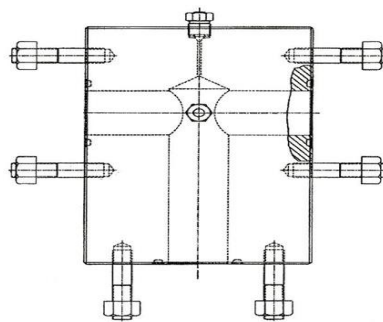
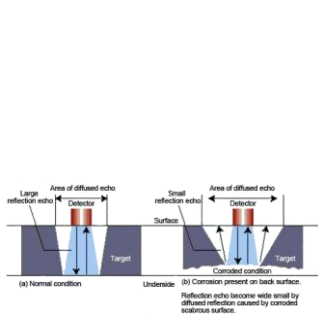


CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT NO.:	QC-25-05-TSS-NDT-CMF-010
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709-21 & ASTM E797-21 & API 6A :2024
WORK ORDER #	328007117		
DATE OF INSPECTION:	Sunday, May 18, 2025	NEXT INSPECTION DATE:	Sunday, May 17, 2026
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

DESCRIPTION:	BLOCK 3 1/16" 10K	CHOKE MANIFOLD NO :	11574323
MANUFACTURER:	WORD WIDE OIL FIELD	SERIAL NO:	107055-1-8-1



ONLINE TRACEABILITY

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

ANGLE	THICKNESS AT POSITION			MINMUM THICKNESS
	A	B	C	
0°	4.541	4.544	4.535	4.320 INCH
90°	4.550	4.558	4.559	
180°	4.552	4.575	4.548	
270°	4.528	4.536	4.545	

INSPECTION RESULT

VT & MPI	Accepted	According to ASTM E709-21
UT	Accepted	According to ASTM E 797-21
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 According to ASTM E709-21

U.T-The Above Item Was Found Acceptable As Per ASTM E797-21

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	07-OCT-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	09-OCT-2025		Magnaflux	230408	APRIL,2026
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	07-OCT-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	08-OCT-2025		Magnaflux	230604	JUNE, 2026
ASTM Test Block:	1657	CAL DUE DATE	07-OCT-2025	Concentration Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3610 lux						

PERSON DETAILS

REVIEW BY

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

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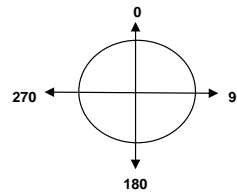
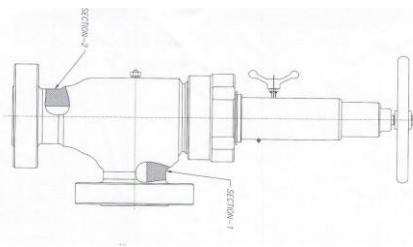
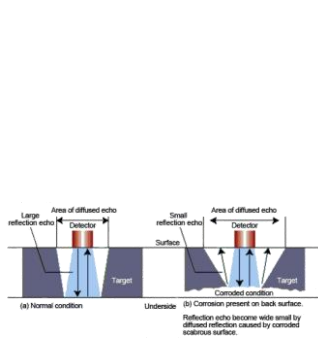
Basra, North Rumaila, Quality Control Yard - Iraq



CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT NO.:	QC-25-05-TSS-NDT-CMF-011
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709-21 & ASTM E797-21 & API 6A :2024
WORK ORDER #	328007117		
DATE OF INSPECTION:	Sunday, May 18, 2025	NEXT INSPECTION DATE:	Sunday, May 17, 2026
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		
DESCRIPTION:	ADJUSTABLE CHOKE 3 1/16" 10K	CHOKE MANIFOLD NO	11574323
MANUFACTURER:	WORD WIDE OIL FIELD	SERIAL NO:	107055-1-12-1



ONLINE TRACEABILITY

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

ANGLE	THICKNESS AT POSITION		MINIMUM THICKNESS IN INCHES	
	SECTION 1	SECTION 2	SECTION 1	SECTION 2
0°	1.276	1.279	1.060"	1.060"
90°	1.283	1.298		
180°	1.293	1.280		
270°	1.282	1.289		

INSPECTION RESULT

VT & MPI	Accepted	According to ASTM E709-21
UT	Accepted	According to ASTM E 797-21
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 According to ASTM E709-21

U.T-The Above Item Was Found Acceptable As Per ASTM E797-21

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	07-OCT-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	09-OCT-2025		Magnaflux	230408	APRIL,2026
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	07-OCT-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	08-OCT-2025		Magnaflux	230604	JUNE, 2026
ASTM Test Block:	1657	CAL DUE DATE	07-OCT-2025	Concentration Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3610 lux						

PERSON DETAILS

REVIEW BY

INSPECTOR NAME:	M.Shahid Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI	HR&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

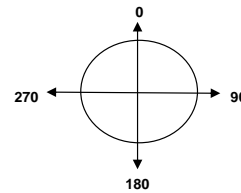
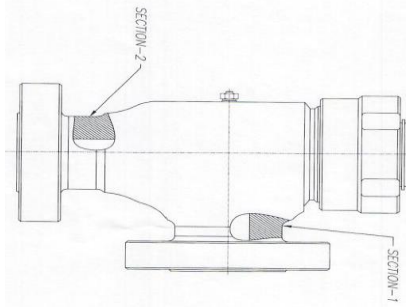
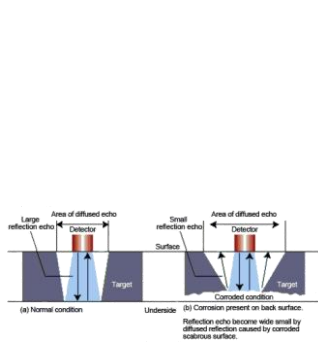


CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT NO.:	QC-25-05-TSS-NDT-CMF-012
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709-21 & ASTM E797-21 & API 6A :2024
WORK ORDER #	328007117		
DATE OF INSPECTION:	Sunday, May 18, 2025	NEXT INSPECTION DATE:	Sunday, May 17, 2026
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

DESCRIPTION:	POSTIVE CHOKE 3 1/16" 10K	CHOKE MANIFOLD NO	11574323
MANUFACTURER:	WORD WIDE OIL FIELD	SERIAL NO:	101194-1



ONLINE TRACEABILITY

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

ANGLE	THICKNESS AT POSITION		MINIMUM THICKNESS IN INCHES	
	SECTION 1	SECTION 2	SECTION 1	SECTION 2
0°	1.275	1.303	1.060"	1.060"
90°	1.270	1.273		
180°	1.292	1.279		
270°	1.277	1.284		

INSPECTION RESULT

VT & MPI	Accepted	According to ASTM E709-21
UT	Accepted	According to ASTM E 797-21
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 According to ASTM E709-21

U.T-The Above Item Was Found Acceptable As Per ASTM E797-21

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	07-OCT-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	09-OCT-2025		Magnaflux	230408	APRIL,2026
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	07-OCT-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	08-OCT-2025		Magnaflux	230604	JUNE, 2026
ASTM Test Block:	1657	CAL DUE DATE	07-OCT-2025	Concentration Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3610 lux						

PERSON DETAILS

REVIEW BY

INSPECTOR NAME:	M.Shahad Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI	HR&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

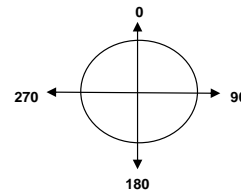
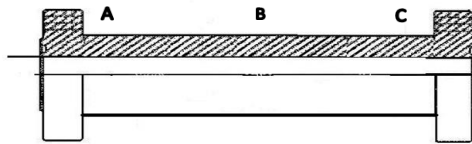
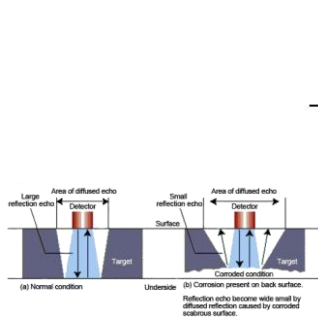


CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT NO.:	QC-25-05-TSS-NDT-CMF-013
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709-21 & ASTM E797-21 & API 6A :2024
WORK ORDER #	328007117		
DATE OF INSPECTION:	Sunday, May 18, 2025	NEXT INSPECTION DATE:	Sunday, May 17, 2026
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

DESCRIPTION:	SPOOL 3 1/16" 10K	CHOKE MANIFOLD NO	11574323
MANUFACTURER:	WORD WIDE OIL FIELD	SERIAL NO:	M34555-2



ONLINE TRACEABILITY

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

ANGLE	THICKNESS AT POSITION			MINIMUM THICKNESS IN INCHES
	A	B	C	
0°	1.294	1.306	1.319	1.190
90°	1.301	1.288	1.300	
180°	1.315	1.338	1.339	
270°	1.306	1.314	1.323	

INSPECTION RESULT

VT & MPI	Accepted	According to ASTM E709-21
UT	Accepted	According to ASTM E 797-21
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 According to ASTM E709-21

U.T-The Above Item Was Found Acceptable As Per ASTM E797-21

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	07-OCT-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	09-OCT-2025		Magnaflux	230408	APRIL,2026
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	07-OCT-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	08-OCT-2025		Magnaflux	230604	JUNE, 2026
ASTM Test Block:	1657	CAL DUE DATE	07-OCT-2025	Concentration Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3610 lux						

PERSON DETAILS

REVIEW BY

INSPECTOR NAME:	M.Shahid Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI	HR&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

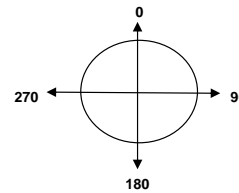
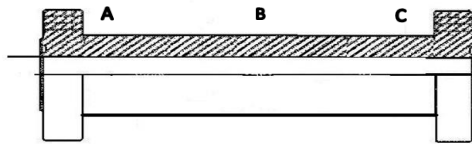
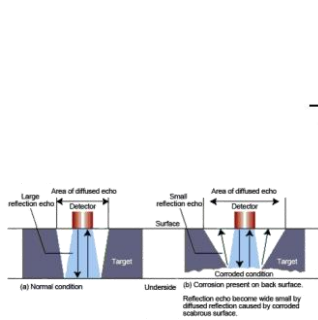


CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT NO.:	QC-25-05-TSS-NDT-CMF-014
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709-21 & ASTM E797-21 & API 6A :2024
WORK ORDER #	328007117		
DATE OF INSPECTION:	Sunday, May 18, 2025	NEXT INSPECTION DATE:	Sunday, May 17, 2026
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

DESCRIPTION:	SPOOL 3 1/16" 10K	CHOKE MANIFOLD NO	11574323
MANUFACTURER:	WORD WIDE OIL FIELD	SERIAL NO:	M34802-2



ONLINE TRACEABILITY

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

ANGLE	THICKNESS AT POSITION			MINIMUM THICKNESS IN INCHES
	A	B	C	
0°	1.305	1.308	1.317	1.190
90°	1.309	1.312	1.313	
180°	1.323	1.327	1.310	
270°	1.311	1.319	1.328	

INSPECTION RESULT

VT & MPI	Accepted	According to ASTM E709-21
UT	Accepted	According to ASTM E 797-21
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 According to ASTM E709-21

U.T-The Above Item Was Found Acceptable As Per ASTM E797-21

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504052	CAL DUE DATE	07-OCT-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	09-OCT-2025		Magnaflux	230408	APRIL,2026
UT THICKNESS GAUGE:	5500391	CAL DUE DATE	07-OCT-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	08-OCT-2025		Magnaflux	230604	JUNE, 2026
ASTM Test Block:	1657	CAL DUE DATE	07-OCT-2025	Concentration Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3610 lux						

PERSON DETAILS

REVIEW BY

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



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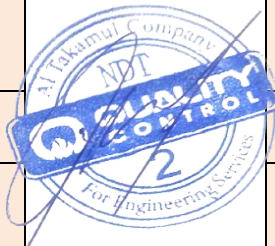


**AI TAKAMUL COMPANY FOR ENGINEERING TESTS
AND PROFESSIONAL SAFETY LIMITED**
Basra, North Rumaila, Quality Control Yard - Iraq



CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION

Client:	HALLIBURTON	Report No:	QC-25-05-TSS-NDT-CMF-015
Location:	TSS WORKSHOP & INSPECTION TEST AREA	WO NO:	328007117
Inspection Date:	Sunday, May 18, 2025	Next Inspection Date:	Sunday, May 17, 2026
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION	Specification:	ASTM E709-21 & API 6A:2024
		UNIT DESCRIPTION:	BLIND FLANGE 3 1/16" 10K
		UNIT S/N:	M35429-1
		CHOKE MANIFOLD S/N:	11574323
		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	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	INSPECTOR NAME:	M.SHAHZAD AHMED	SENIOR INSPECTOR:	NAVEED HUSSAIN
S.No:	1657	S.No:	2722003	S.No:	201504052		QUALIFICATION: ASNT LEVEL II MT & PT & VT	SUPERVISOR:	HANI ALI
Cal Due Date:	7-Oct-25	Cal Due Date:	9-Oct-25	Cal Due Date:	7-Oct-25			CLIENT:	
Black Magnetic Ink Manufacture:	Magnaflux	Batch No:	230604	Expiry Date:	JUNE.2026				
White Contrast Paint Manufacture:	Magnaflux	Batch No:	230408	EXPIRE DATE:	APRIL,2026				
Technical Details:	Magnetic Partical Concentration		Method		WMPT Light Intensity				
	1.2 to 2.4 ml/100 ml		Wet Magnetic Particle Testing (WMPT)		3620 Lux				

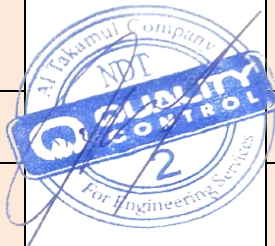
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**AI TAKAMUL COMPANY FOR ENGINEERING TESTS
AND PROFESSIONAL SAFETY LIMITED**
Basra, North Rumaila, Quality Control Yard - Iraq



CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION

Client:	HALLIBURTON	Report No:	QC-25-05-TSS-NDT-CMF-016
Location:	TSS WORKSHOP & INSPECTION TEST AREA	WO NO:	328007117
Inspection Date:	Sunday, May 18, 2025	Next Inspection Date:	Sunday, May 17, 2026
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION	Specification:	ASTM E709-21 & API 6A:2024
		UNIT DESCRIPTION:	BLIND FLANGE 3 1/16" 10K
		UNIT S/N:	M33014-1
		CHOKE MANIFOLD S/N:	11574323
		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		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	INSPECTOR NAME:	M.SHAHZAD AHMED	SENIOR INSPECTOR:	NAVEED HUSSAIN
S.No:	1657	S.No:	2722003	S.No:	201504052	QUALIFICATION:	ASNT LEVEL II MT & PT & VT	SUPERVISOR:	HANI ALI
Cal Due Date:	7-Oct-25	Cal Due Date:	9-Oct-25	Cal Due Date:	7-Oct-25				
Black Magnetic Ink Manufacture:	Magnaflux	Batch No:	230604	Expiry Date:	JUNE.2026	STAMP & SIGNATURE:		CLIENT:	
White Contrast Paint Manufacture:	Magnaflux	Batch No:	230408	EXPIRE DATE:	APRIL,2026				
Technical Details:	Magnetic Partical Concentration		Method		WMPT Light Intensity				
	1.2 to 2.4 ml/100 ml		Wet Magnetic Particle Testing (WMPT)		3620 Lux				

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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

Client:	HALLIBURTON	Report No:	QC-25-05-TSS-NDT-CMF-017
Location:	TSS WORKSHOP & INSPECTION TEST AREA	WO NO:	328007117
Inspection Date:	Sunday, May 18, 2025	Next Inspection Date:	Sunday, May 17, 2026
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION	Specification:	ASTM E709-21 & API 6A:2024
		UNIT DESCRIPTION:	FLANGE 3 1/16" 10K X 3" 1502 THREAD
		UNIT S/N:	M35795-1
		CHOKER MANIFOLD S/N:	11574323
		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	Thread & critical areas inspected and found free from cracks and other defects		
FINAL RESULTS	THE ABOVE INSPECTED AREAS WAS ACCEPTED		
COMMENT:			
(MPI Wet Fluorescent inspection Thread With UltraViolet Light) Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast			

EQUIPMENT DETAILS						PERSON DETAILS		REVIEW BY	
EQUIPMENT :	AC/DC HAND Yoke	EQUIPMENT :	Shooting Coil DC	EQUIPMENT :	UV BLACK LIGHT: 3210 μw/cm²	INSPECTOR NAME:	M.SHAHZAD AHMED	SENIOR INSPECTOR:	NAVEED HUSSAIN
S.NO:	201504052	S.NO:	22650	S.NO:	87521			SUPERVISOR:	HANI ALI
Cal Due Date:	07.OCT.2025	Cal Due Date:	08.OCT.2025	Cal Due Date:	09.OCT.2025			CLIENT:	
FLUORESCENT 14HF	Magnaflux	Batch No:	230503	EXPIRE DATE:	MAY.2026				
White Contrast Paint Manufacture:	Magnaflux	Batch No:	230408	EXPIRE DATE:	APRIL.2026				
TECHNICAL DETAILS					Black Magnetic Ink Manufacture:7HF				
Digital Lux Meter WHITE LIGHT INTENSITY:					Batch No:230604				
3630 Lux/S.NO:2722003	Wet FLUORESCENT Particle Concentration 14 HF		0.1 to 0.4 ml/100 ml		EXPIRE DATE: JUNE.2026				
Cal Due Date:09.OCT.2025	Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml						

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Address: Noth Rumaila, AI Takamul Yard
Contact: +9647810009138

Tel: +9647810009138 / +9647834964657

Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com

**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

Client:	HALLIBURTON	Report No:	QC-25-05-TSS-NDT-CMF-018
Location:	TSS WORKSHOP & INSPECTION TEST AREA	WO NO:	328007117
Inspection Date:	Sunday, May 18, 2025	Next Inspection Date:	Sunday, May 17, 2026
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION	Specification:	ASTM E709-21 & API 6A:2024
		UNIT DESCRIPTION:	FLANGE 3 1/16" 10K X 3" 1502 WING
		UNIT S/N:	M35795-2
		CHOKE MANIFOLD S/N:	11574323
		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	Thread & critical areas inspected and found free from cracks and other defects
		FINAL RESULTS	THE ABOVE INSPECTED AREAS WAS ACCEPTED
COMMENT:			
(MPI Wet Fluorescent inspection Thread With UltraViolet Light) Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast			

EQUIPMENT DETAILS						PERSON DETAILS		REVIEW BY	
EQUIPMENT :	AC/DC HAND Yoke	EQUIPMENT :	Shooting Coil DC	EQUIPMENT :	UV BLACK LIGHT: 3210 μw/cm²	INSPECTOR NAME:	M.SHAHZAD AHMED	SENIOR INSPECTOR:	NAVEED HUSSAIN
S.NO:	201504052	S.NO:	22650	S.NO:	87521			SUPERVISOR:	HANI ALI
Cal Due Date:	07.OCT.2025	Cal Due Date:	08.OCT.2025	Cal Due Date:	09.OCT.2025				
FLUORESCENT 14HF	Magnaflux	Batch No:	230503	EXPIRE DATE:	MAY.2026			CLIENT:	
White Contrast Paint Manufacture:	Magnaflux	Batch No:	230408	EXPIRE DATE:	APRIL.2026				
TECHNICAL DETAILS					Black Magnetic Ink Manufacture:7HF				
Digital Lux Meter WHITE LIGHT INTENSITY:					Batch No:230604				
3630 Lux/S.NO:2722003	Wet FLUORESCENT Particle Concentration 14 HF		0.1 to 0.4 ml/100 ml		EXPIRE DATE:		JUNE.2026		
Cal Due Date:09.OCT.2025	Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml						

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Address: Noth Rumaila, AI Takamul Yard
Contact: +9647810009138

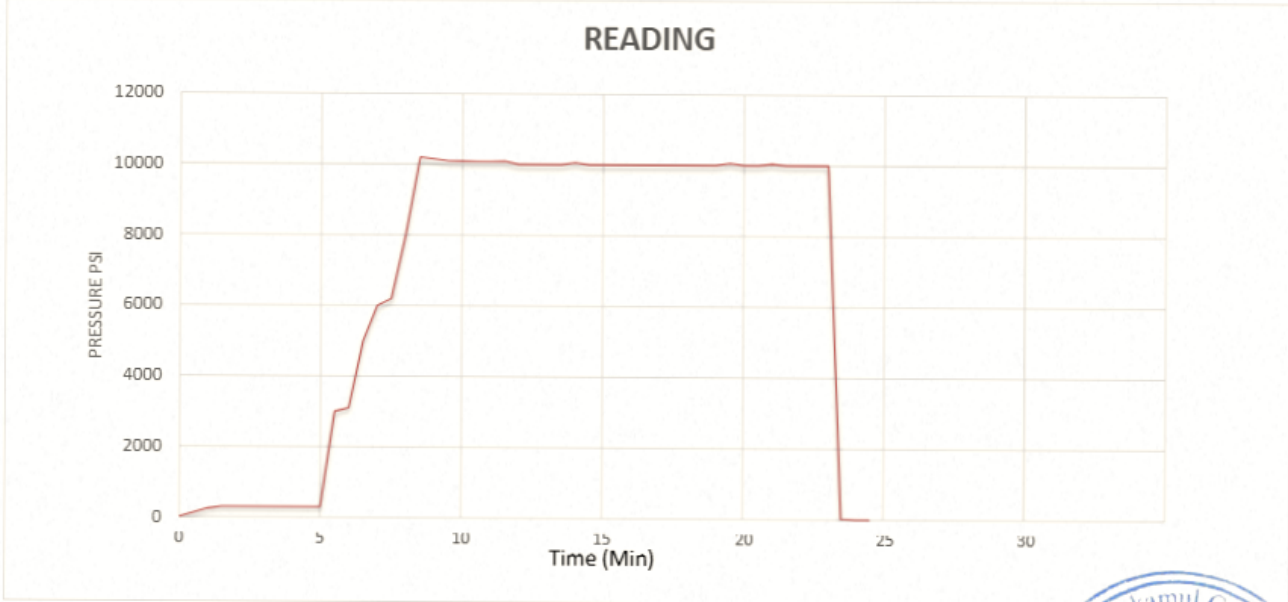
Tel: +9647810009138 / +9647834964657

Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com

Data Collection Report

Gauge Information	
Serial Number	218230280019
Model	ADT680W-25-GP30K-PSI-AM
Calibration Date	1-Mar-25
Range	30000 PSI

Run Info	
Start Time	11:49 AM
Stop Time	12:13 PM
Test Date	20-May-25
EQ NUMBER	11574323



TESTED BY : Tarek Bekhit
APPROVED BY: Ali Khalid
COMMENTS: Body Test

SIGN: *Fank*

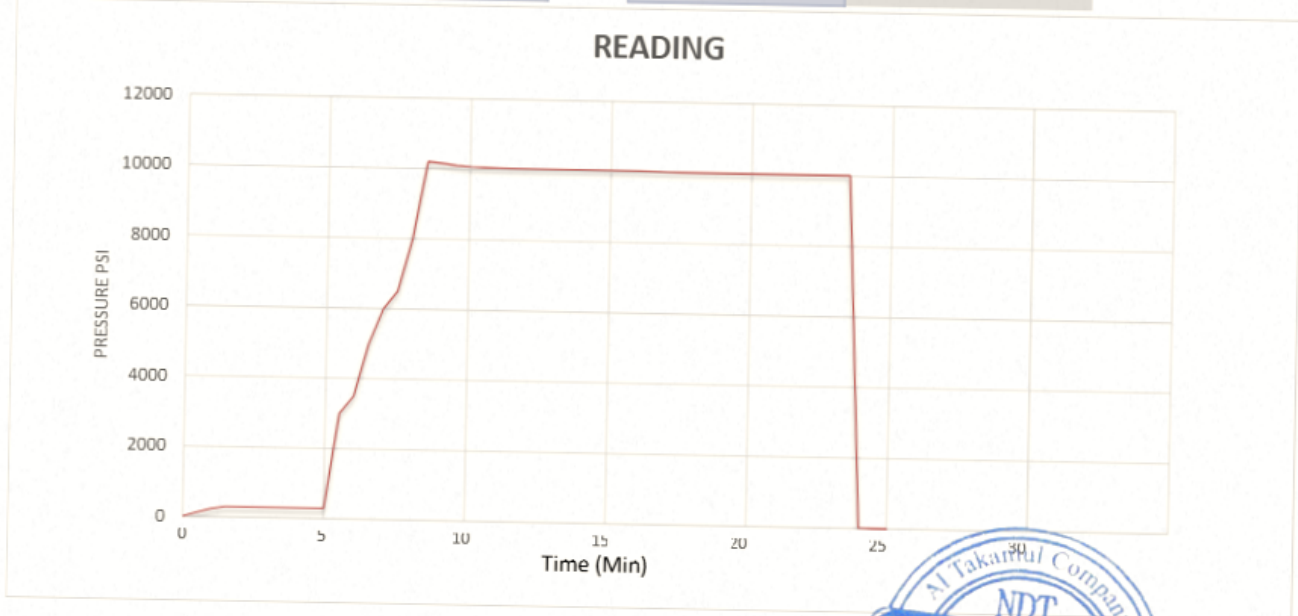
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Data Collection Report

Gauge Information	
Serial Number	218230280019
Model	ADT680W-25-GP30K-PSI-AM
Calibration Date	1-Mar-25
Range	30000 PSI

Run Info	
Start Time	12:19 PM
Stop Time	12:43 PM
Test Date	20-May-25
EQ NUMBER	11574323



TESTED BY : Tarek Bekhit

APPROVED BY: Ali Khalid

COMMENTS: Downstream and bypass valves closed, upstream valves open, outlet open

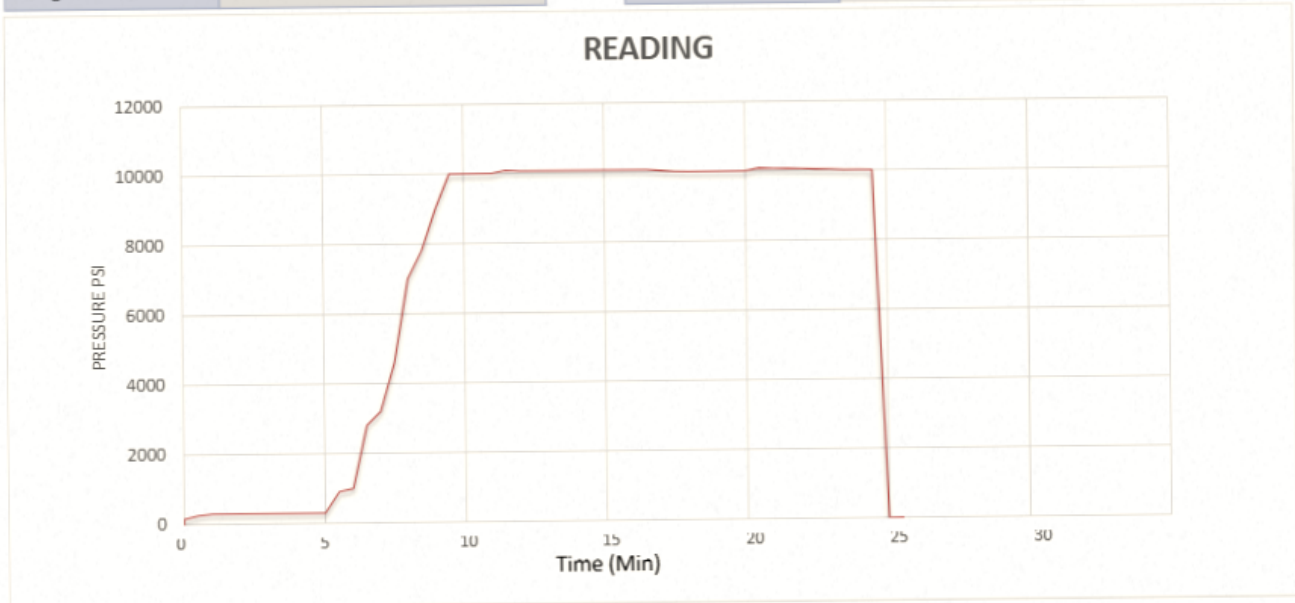
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SIGN:

Data Collection Report

Gauge Information	
Serial Number	218230280019
Model	ADT680W-25-GP30K-PSI-AM
Calibration Date	1-Mar-25
Range	30000 PSI

Run Info	
Start Time	12:51 PM
Stop Time	1:16 PM
Test Date	20-May-25
EQ NUMBER	11574323



TESTED BY : Tarek Bekhit

APPROVED BY: Ali Khalid

COMMENTS: Upstream and bypass valves closed, downstream valves open, outlet open.

SIGN:

SIGN:

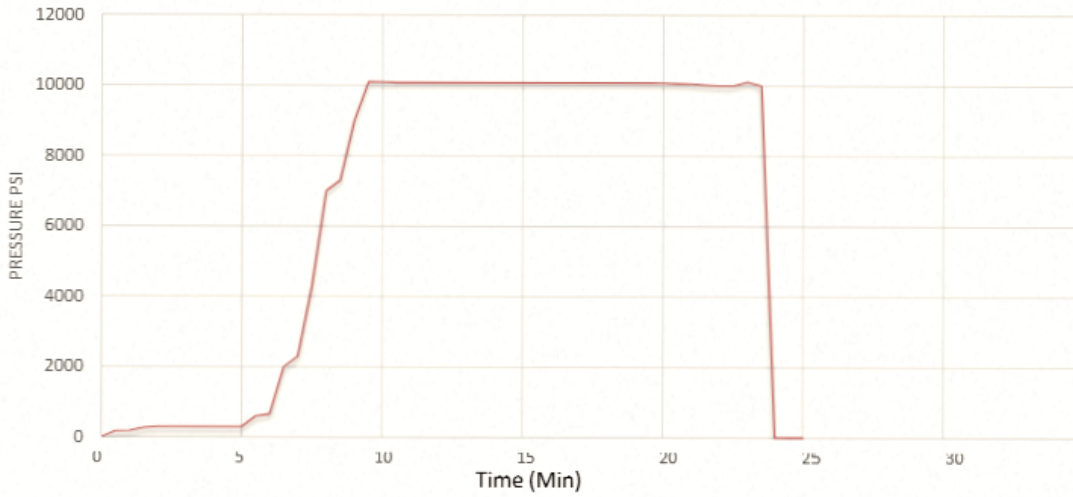


Data Collection Report

Gauge Information	
Serial Number	218230280019
Model	ADT680W-25-GP30K-PSI-AM
Calibration Date	1-Mar-25
Range	30000 PSI

Run Info	
Start Time	1:25 PM
Stop Time	1:49 PM
Test Date	20-May-25
EQ NUMBER	11574323

READING



TESTED BY : Tarek Bekhit

APPROVED BY: Ali Khalid

COMMENTS: Upstream and bypass valves closed, downstream valves open, in

SIGN: 

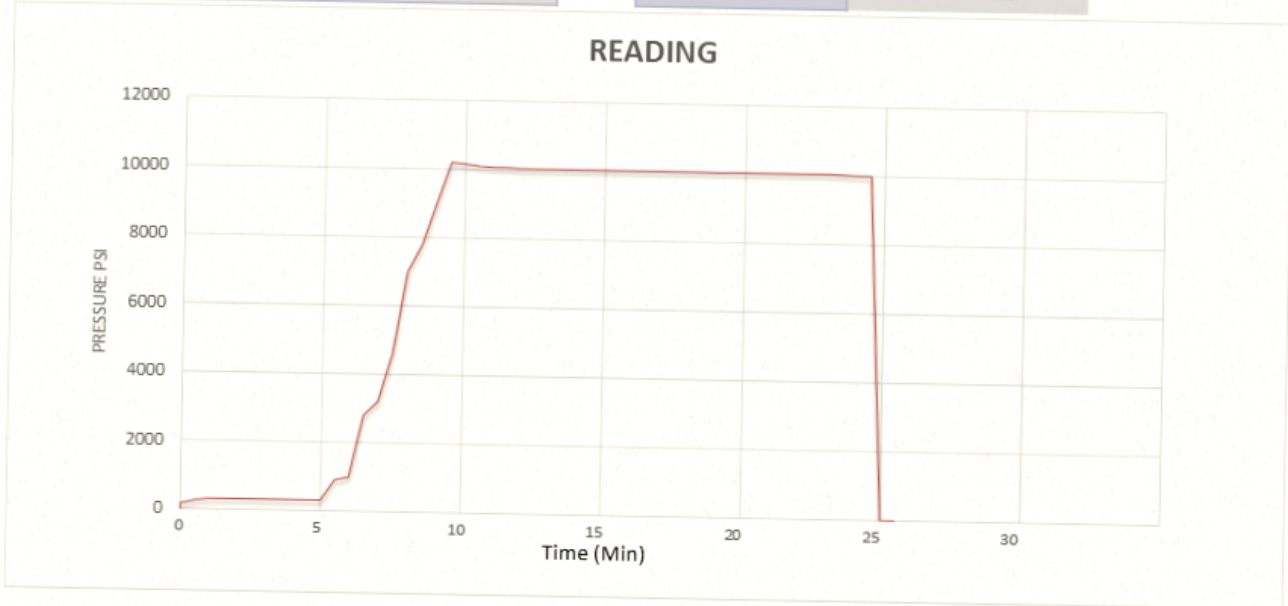
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Data Collection Report

Gauge Information	
Serial Number	218230280019
Model	ADT680W-25-GP30K-PSI-AM
Calibration Date	1-Mar-25
Range	30000 PSI

Run Info	
Start Time	1:57 PM
Stop Time	2:23 PM
Test Date	20-May-25
EQ NUMBER	11574323



TESTED BY : Tarek Bekhit

APPROVED BY: Ali Khalid

COMMENTS: Downstream and bypass valves closed, upstream valves open, inlet open

SIGN: 

SIGN: 

