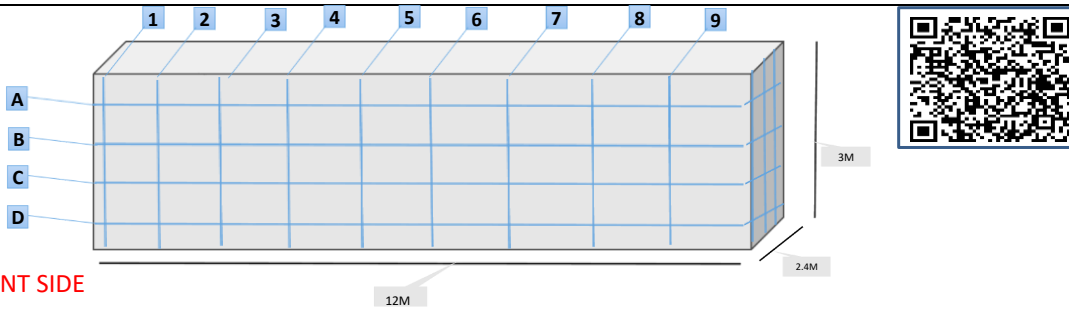


## CERTIFICATE OF QUALIFICATION VISUAL AND ULTRASONIC THICKNESS GAUGING

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	DAQING DRILLING COMPANY	REPORT NO:	QC-DQ-10-24-0240-08
LOCATION:	RIG DQ022	STANDARD:	ASTM E709 & ASTM E797
JOB NO:	QC-BGG-10-24-0158	SPECIFICATION:	OEM Data Book
INSPECTION DATE:	22-Oct-2024	INSPECTION DUE DATE:	21-Oct-2025
TYPE OF INSPECTION:	CERTIFICATE OF QUALIFICATION VISUAL AND ULTRASONIC THICKNESS GAUGING		
DESCRIPTION:	Trip Tank	MFG SERIAL NO:	12-39-1
MANUFACTURER:	N/A	MFG YEAR :	N/A

### INSPECTION DETAILS



POINT NO.	ANGLE	THICKNESS AT POSITION ( mm )				MIN. THICKNESS	REMARKS
		A	B	C	D		
FRONT SIDE	1	5.12	4.97	5.16	4.93	3 mm As client	SATISFACTORY
	2	5.45	5.14	5.22	5.19	3 mm As client	
	3	5.36	5.33	5.06	5.32	3 mm As client	
	4	5.66	5.45	5.17	5.49	3 mm As client	
	5	5.24	4.95	5.36	5.51	3 mm As client	
	6	5.33	5.13	5.44	5.09	3 mm As client	
	7	5.54	5.26	5.37	5.18	3 mm As client	
	8	5.16	4.99	5.06	5.53	3 mm As client	
	9	5.22	5.35	5.15	5.20	3 mm As client	

#### INSPECTION RESULT

VT	Accepted	* According to ASTM E709.
UT	Accepted	** According to Procedure ASTM E797 & OEM Data Book.
Body	Accepted	*** These Are The Actual Readings Need To Follow As Per Manufacturing Date Book

#### Inspection Evaluation

**V.T** The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable

**U.T**-The Above Item Was Found Acceptable As Per Acceptance Criteria ASTM E797 & OEM Data Book

#### INSPECTION EQUIPMENT DETAILS

#### TECHNICAL DETAILS

AC YOKE S.N:	PY-09	CAL DUE DATE	14-Feb-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	14-Feb-2025		Magnaflux	220602	JUN.2025
UT THICKNESS GAUGE:	520750	CAL DUE DATE	14-Feb-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5088	CAL DUE DATE	14-Feb-2025		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	14-Feb-2025	Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3640 lux		14-Feb-2025				

#### PERSON DETAILS

#### REVIEW BY

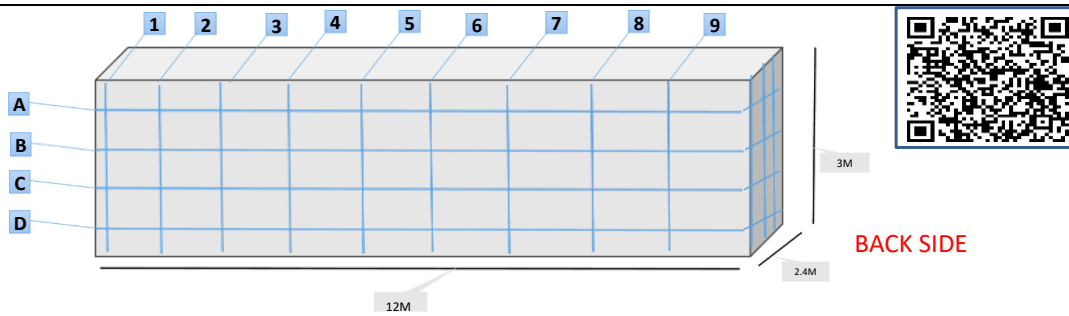
INSPECTOR NAME:	ABDULLAH MOFEEED	SENIOR INSPECTOR:	M.SARWAR	CLIENT:
QUALIFICATION:	ASNT LEVEL II MT,RT,UT,VT.	INSPECTION SUPERVISOR:	RAO SOHAIL	HB&SIGN
SIGNATURE & STAMP:				DATE:

## CERTIFICATE OF QUALIFICATION VISUAL AND ULTRASONIC THICKNESS GAUGING

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	DAQING DRILLING COMPANY	REPORT NO:	QC-DQ-10-24-0240-08A
LOCATION:	RIG DQ022	STANDARD:	ASTM E709 & ASTM E797
JOB NO:	QC-BGG-10-24-0158	SPECIFICATION:	OEM Data Book
INSPECTION DATE:	22-Oct-2024	INSPECTION DUE DATE:	21-Oct-2025
TYPE OF INSPECTION:	CERTIFICATE OF QUALIFICATION VISUAL AND ULTRASONIC THICKNESS GAUGING		
DESCRIPTION:	Trip Tank	MFG SERIAL NO:	12-39-1
MANUFACTURER:	N/A	MFG YEAR:	N/A

### INSPECTION DETAILS



POINT NO.	ANGLE	THICKNESS AT POSITION ( mm )					REMARKS
		A	B	C	D	MIN. THICKNESS	
FRONT SIDE	1	5.20	5.22	5.13	5.25	3 mm As client	SATISFACTORY
	2	5.32	5.61	4.90	5.47	3 mm As client	
	3	5.54	5.38	4.86	5.66	3 mm As client	
	4	5.19	5.15	5.17	5.32	3 mm As client	
	5	5.06	5.25	5.44	5.17	3 mm As client	
	6	5.09	5.46	5.38	5.13	3 mm As client	
	7	5.43	5.19	5.51	4.97	3 mm As client	
	8	5.15	5.06	5.48	5.08	3 mm As client	
	9	5.26	5.01	5.56	4.95	3 mm As client	

#### INSPECTION RESULT

VT	Accepted	* According to ASTM E709.
UT	Accepted	** According to Procedure ASTM E797 & OEM Data Book.
Body	Accepted	*** These Are The Actual Readings Need To Follow As Per Manufacturing Date Book

#### Inspection Evaluation

**V.T** The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable

**U.T** The Above Item Was Found Acceptable As Per Acceptance Criteria ASTM E797 & OEM Data Book

#### INSPECTION EQUIPMENT DETAILS

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	PY-09	CAL DUE DATE	14-Feb-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	14-Feb-2025		Magnaflux	220602	JUN.2025
UT THICKNESS GAUGE:	520750	CAL DUE DATE	14-Feb-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5088	CAL DUE DATE	14-Feb-2025		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	14-Feb-2025	Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3640 lux		14-Feb-2025				

#### PERSON DETAILS

#### REVIEW BY

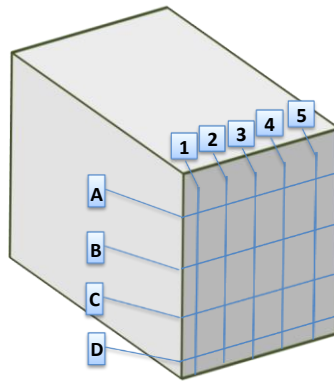
INSPECTOR NAME:	ABDULLAH MOFEEED	SENIOR INSPECTOR:	M.SARWAR	CLIENT:
QUALIFICATION:	ASNT LEVEL II MT,RT,UT,VT.	INSPECTION SUPERVISOR:	RAO SOHAIL	HB&SIGN
SIGNATURE & STAMP:				DATE:

## CERTIFICATE OF QUALIFICATION VISUAL AND ULTRASONIC THICKNESS GAUGING

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIEREMENTS

CLIENT:	DAQING DRILLING COMPANY	REPORT NO:	QC-DQ-10-24-0240-08B
LOCATION:	RIG DQ022	STANDARD:	ASTM E709 & ASTM E797
JOB NO:	QC-BGG-10-24-0158	SPECIFICATION:	OEM Data Book
INSPECTION DATE:	22-Oct-2024	INSPECTION DUE DATE:	21-Oct-2025
TYPE OF INSPECTION:	CERTIFICATE OF QUALIFICATION VISUAL AND ULTRASONIC THICKNESS GAUGING		
DESCRIPTION:	Trip Tank	MFG SERIAL NO:	12-39-1
MANUFACTURER:	N/A	MFG YEAR :	N/A

### INSPECTION DETAILS



POINT NO.	ANGLE	THICKNESS AT POSITION ( mm )					REMARKS
		A	B	C	D	MIN. THICKNESS	
FRONT SIDE	1	5.63	5.53	5.35	4.90	3 mm As client	SATISFACTORY
	2	5.44	5.49	5.48	4.97	3 mm As client	
	3	5.61	5.21	5.08	4.87	3 mm As client	
	4	5.24	5.62	5.26	5.07	3 mm As client	
	5	5.13	5.19	5.37	5.24	3 mm As client	

#### INSPECTION RESULT

VT	Accepted	* According to ASTM E709.
UT	Accepted	** According to Procedure ASTM E797& OEM Data Book.
Body	Accepted	*** These Are The Actual Readings Need To Follow As Per Manufacturing Date Book

#### Inspection Evaluation

V.T The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable

U.T-The Above Item Was Found Acceptable As Per Acceptance Criteria ASTM E797 & OEM Data Book

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	PY-09	CAL DUE DATE	14-Feb-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	14-Feb-2025		Magnaflux	220602	JUN,2025
UT THICKNESS GAUGE:	520750	CAL DUE DATE	14-Feb-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5088	CAL DUE DATE	14-Feb-2025		Magnaflux	220605	JULY,2025
ASTM Test Block:	1657	CAL DUE DATE	14-Feb-2025	Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3640 lux	CAL DUE DATE	14-Feb-2025				

PERSON DETAILS		REVIEW BY			
INSPECTOR NAME:	ABDULLAH MOFEED	SENIOR INSPECTOR:	M.SARWAR	CLIENT:	
QUALIFICATION:	ASNT LEVEL II MT,PT,UT,VT,	INSPECTION SUPERVISOR:	RAO SOHAIL	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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

Basra, North Rumaila, Quality Control Yard - Iraq

Tel: +9647810009138 / +9647834964657

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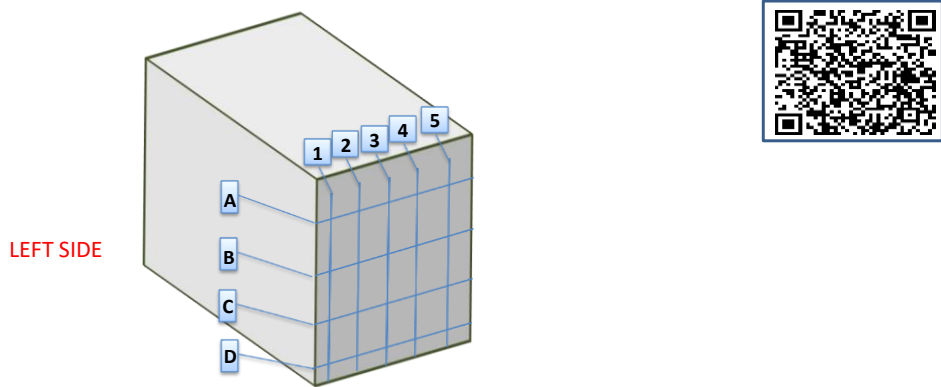


**CERTIFICATE OF QUALIFICATION VISUAL AND ULTRASONIC THICKNESS GAUGING**

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIEREMENTS

CLIENT:	DAQING DRILLING COMPANY	REPORT NO:	QC-DQ-10-24-0240-08C
LOCATION:	RIG DQ022	STANDARD:	ASTM E709 & ASTM E797
JOB NO:	QC-BGG-10-24-0158	SPECIFICATION:	OEM Data Book
INSPECTION DATE:	22-Oct-2024	INSPECTION DUE DATE:	21-Oct-2025
TYPE OF INSPECTION:	CERTIFICATE OF QUALIFICATION VISUAL AND ULTRASONIC THICKNESS GAUGING		
DESCRIPTION:	Trip Tank	MFG SERIAL NO:	12-39-1
MANUFACTURER:	N/A	MFG YEAR :	N/A

**INSPECTION DETAILS**



POINT NO.	ANGLE	THICKNESS AT POSITION ( mm )					REMARKS
		A	B	C	D	MIN. THICKNESS	
FRONT SIDE	1	4.99	5.07	4.88	5.44	3 mm As client	SATISFACTORY
	2	4.78	5.32	5.06	5.38	3 mm As client	
	3	5.05	5.27	5.19	5.13	3 mm As client	
	4	5.12	5.43	5.27	5.10	3 mm As client	
	5	5.34	5.66	5.22	5.16	3 mm As client	

**INSPECTION RESULT**

VT	Accepted	* According to ASTM E709.
UT	Accepted	** According to Procedure ASTM E797& OEM Data Book.
Body	Accepted	*** These Are The Actual Readings Need To Follow As Per Manufacturing Date Book

**Inspection Evaluation**

V.T The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable

U.T-The Above Item Was Found Acceptable As Per Acceptance Criteria ASTM E797 & OEM Data Book

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	PY-09	CAL DUE DATE	14-Feb-2025	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	14-Feb-2025		Magnaflux	220602	JUN.2025
UT THICKNESS GAUGE:	520750	CAL DUE DATE	14-Feb-2025	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5088	CAL DUE DATE	14-Feb-2025		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	14-Feb-2025	Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3640 lux		14-Feb-2025				

PERSON DETAILS		REVIEW BY	
INSPECTOR NAME:	ABDULLAH MOFFED	SENIOR INSPECTOR:	M.SARWAR
QUALIFICATION:	ASNT LEVEL II IN MT,PT,UT,VT.	INSPECTION SUPERVISOR:	RAO SOHAIL
SIGNATURE & STAMP:		CLIENT:	DATE:

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

