

AI TAKAMUL COMPANY FOR ENGINEERING TEST AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

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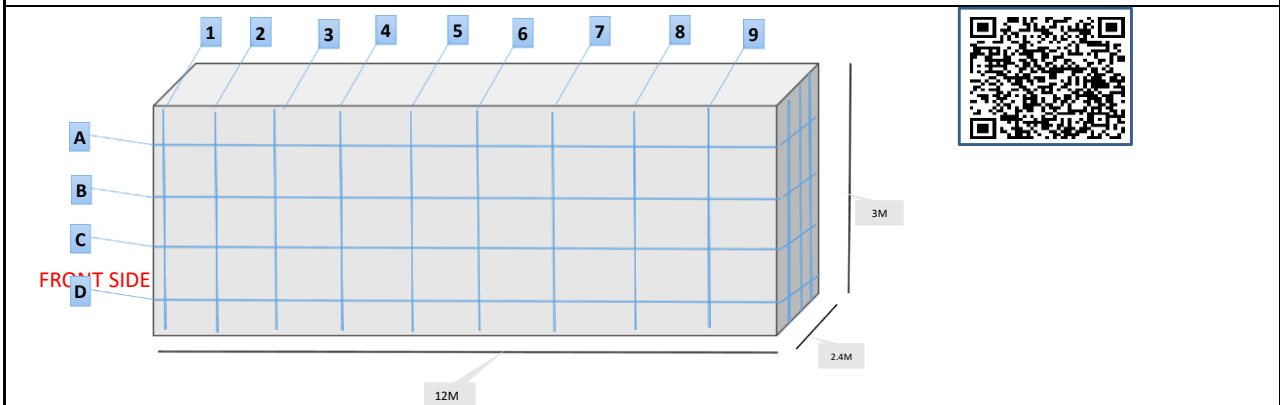
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CERTIFICATE OF QUALIFICATION VISUAL AND ULTRASONIC THICKNESS GAUGING
THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIEREMENTS

CLIENT:	DAQING DRILLING COMPANY	REPORT NO:	QC-DQ-10-24-0240-01
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:	Cooling Water Tank	MFG SERIAL NO:	12018
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	5.52	5.34	5.22	5.64	3 mm As client	SATISFACTORY
	2	5.33	5.43	5.27	5.21	3 mm As client	
	3	5.73	5.71	5.62	5.43	3 mm As client	
	4	5.42	5.33	5.64	5.19	3 mm As client	
	5	5.29	5.46	5.54	5.75	3 mm As client	
	6	5.44	5.33	5.37	5.62	3 mm As client	
	7	5.09	5.15	5.26	5.49	3 mm As client	
	8	5.22	5.28	5.09	5.26	3 mm As client	
	9	5.63	5.59	5.22	5.37	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 MOFIED	SENIOR INSPECTOR:	M.SARWAR
QUALIFICATION:	ASNT LEVEL II (VT, UT, RT, ET, PT)	INSPECTION SUPERVISOR:	RAO SOHAIL
SIGNATURE & STAMP:		CLIENT:	
		DATE:	

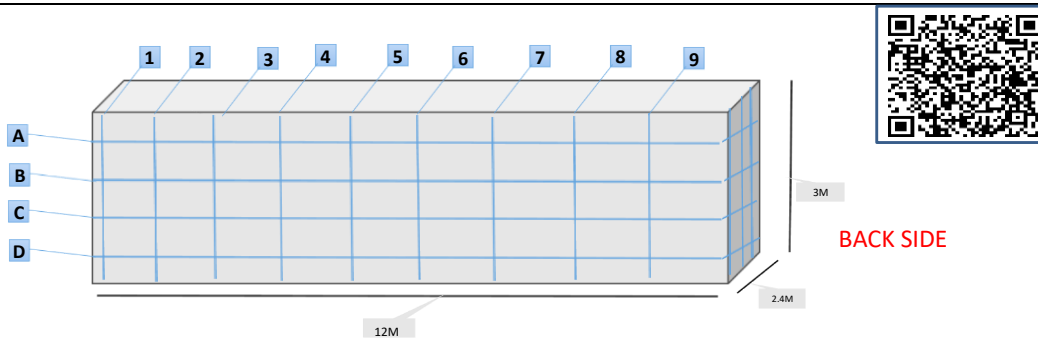
Original - Client Files Copy - Area Office QC/FN/PT/077 Rev.00 DATED 07.NOV. 2021



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-10-24-0240-01A
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:	Cooling Water Tank	MFG SERIAL NO:	12018
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	5.86	5.48	5.27	5.31	3 mm As client	SATISFACTORY
	2	5.33	5.77	5.35	5.46	3 mm As client	
	3	5.31	5.28	5.46	5.91	3 mm As client	
	4	5.25	5.19	5.39	5.20	3 mm As client	
	5	5.23	5.50	5.75	5.35	3 mm As client	
	6	5.12	5.36	5.39	5.09	3 mm As client	
	7	5.65	5.31	5.12	5.44	3 mm As client	
	8	5.16	5.46	5.67	5.54	3 mm As client	
	9	5.27	5.44	5.34	5.27	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
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INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
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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 MOFEED	SENIOR INSPECTOR:	M.SARWAR
QUALIFICATION:	ASNT LEVEL II (MT,RT,UT,VT)	INSPECTION SUPERVISOR:	RAO SOHAIL
SIGNATURE & STAMP:		CLIENT:	DATE:

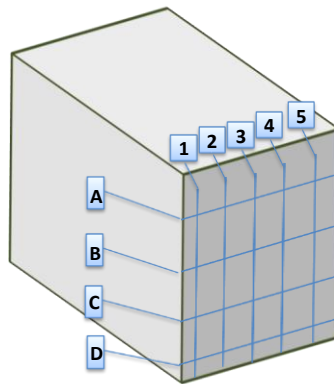


CERTIFICATE OF QUALIFICATION VISUAL AND ULTRASONIC THICKNESS GAUGING

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	DAQING DRILLING COMPANY	REPORT NO:	QC-DQ-10-24-0240-01B
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:	Cooling Water Tank	MFG SERIAL NO:	12018
MANUFACTURER:	N/A	MFG YEAR :	N/A

INSPECTION DETAILS



RIGHT SIDE

POINT NO.	ANGLE	THICKNESS AT POSITION (mm)					REMARKS
		A	B	C	D	MIN. THICKNESS	
FRONT SIDE	1	5.21	5.72	5.39	5.46	3 mm As client	SATISFACTORY
	2	5.31	5.65	5.49	5.39	3 mm As client	
	3	5.28	5.24	5.20	5.37	3 mm As client	
	4	5.46	5.09	5.21	5.35	3 mm As client	
	5	5.61	5.57	5.43	5.54	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

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INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
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Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	14-Feb-2025		Magnaflex	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		Magnaflex	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:			

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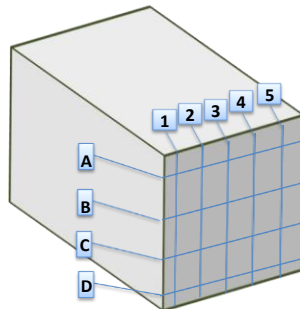
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THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	DAQING DRILLING COMPANY	REPORT NO:	QC-DQ-10-24-0240-01C
LOCATION:	RIG DQ022	STANDARD:	ASTM E709 & ASTM E797
JOB NO:	QC-BGG-10-24-0158	SPECIFICATION:	OEM Data Book
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DESCRIPTION:	Cooling Water Tank	MFG SERIAL NO:	12018
MANUFACTURER:	N/A	MFG YEAR:	N/A

INSPECTION DETAILS

LEFT SIDE



POINT NO.	ANGLE	THICKNESS AT POSITION (mm)				MIN. THICKNESS	REMARKS
		A	B	C	D		
FRONT SIDE	1	5.42	5.37	5.30	5.31	3 mm As client	SATISFACTORY
	2	5.31	5.35	5.65	5.28	3 mm As client	
	3	5.35	5.54	5.39	5.24	3 mm As client	
	4	5.12	5.16	5.20	5.28	3 mm As client	
	5	5.48	5.24	5.50	5.45	3 mm As client	

INSPECTION RESULT

VT	Accepted	* According to ASTM E709.
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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		Magnaflex	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	
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QUALIFICATION:	ASNT LEVEL II IN RT, UT, VT.	INSPECTOR SUPERVISOR:	RAO SOHAIL
SIGNATURE & STAMP:			DATE:

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