

AI TAKAMUL COMPANY FOR ENGINEERING TEST AND PROFESSIONAL SAFETY LIMITED

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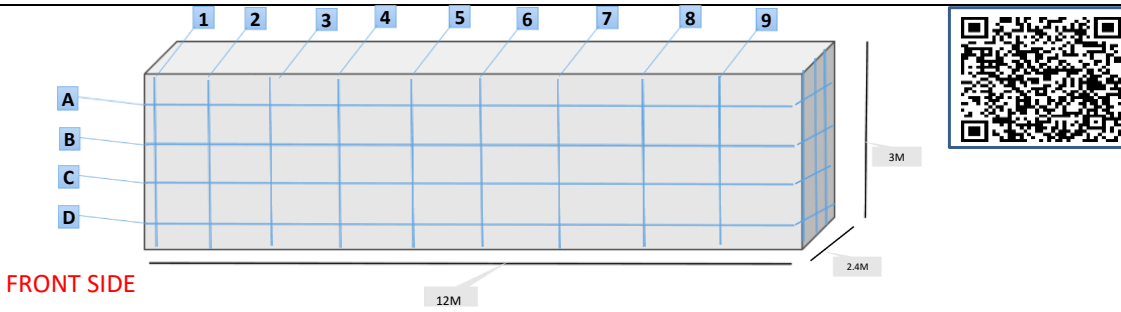


CERTIFICATE OF QUALIFICATION VISUAL AND ULTRASONIC THICKNESS GAUGING

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

| | | | |
|---------------------|--|----------------------|-----------------------|
| CLIENT: | DAQING DRILLING COMPANY | REPORT NO: | QC-DQ-10-24-0240-07 |
| 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: | Mud Tank | MFG SERIAL NO: | 12-16-32 |
| 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 | 5.21 | 5.15 | 5.17 | 5.17 | 3 mm As client | SATISFACTORY |
| | 2 | 5.44 | 5.32 | 5.20 | 5.28 | 3 mm As client | |
| | 3 | 5.38 | 5.58 | 5.25 | 4.97 | 3 mm As client | |
| | 4 | 5.18 | 5.22 | 5.41 | 4.87 | 3 mm As client | |
| | 5 | 5.65 | 5.45 | 5.37 | 4.99 | 3 mm As client | |
| | 6 | 5.35 | 5.25 | 5.41 | 5.07 | 3 mm As client | |
| | 7 | 5.18 | 5.16 | 5.33 | 5.12 | 3 mm As client | |
| | 8 | 5.12 | 5.38 | 5.26 | 5.05 | 3 mm As client | |
| | 9 | 5.43 | 5.44 | 5.53 | 5.04 | 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 MOFEED | SENIOR INSPECTOR: | M.SARWAR | CLIENT: | |
| QUALIFICATION: | ASNT LEVEL II MT, RT, UT, VT. | INSPECTION SUPERVISOR: | RAO SOHAIL | HB&SIGN | |
| SIGNATURE & STAMP: | | | | DATE: | |

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

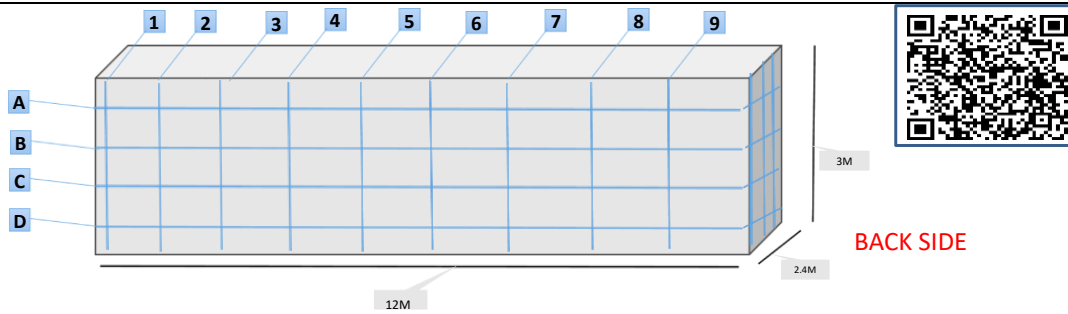


CERTIFICATE OF QUALIFICATION VISUAL AND ULTRASONIC THICKNESS GAUGING

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

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|---------------------|--|----------------------|-----------------------|
| CLIENT: | DAQING DRILLING COMPANY | REPORT NO: | QC-DQ-10-24-0240-07A |
| 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: | Mud Tank | MFG SERIAL NO: | 12-16-32 |
| 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 | 5.14 | 5.33 | 5.24 | 5.48 | 3 mm As client | SATISFACTORY |
| | 2 | 5.45 | 5.45 | 5.41 | 5.16 | 3 mm As client | |
| | 3 | 5.27 | 5.08 | 5.27 | 4.99 | 3 mm As client | |
| | 4 | 4.99 | 5.24 | 5.17 | 5.23 | 3 mm As client | |
| | 5 | 5.35 | 5.19 | 4.97 | 5.12 | 3 mm As client | |
| | 6 | 5.26 | 5.08 | 5.01 | 5.19 | 3 mm As client | |
| | 7 | 5.52 | 4.97 | 5.32 | 5.26 | 3 mm As client | |
| | 8 | 5.12 | 4.89 | 4.92 | 5.14 | 3 mm As client | |
| | 9 | 5.17 | 5.06 | 5.65 | 5.63 | 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 | | | | |

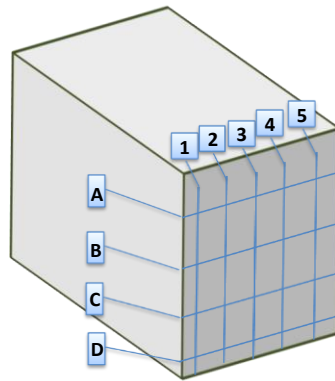
| PERSON DETAILS | | REVIEW BY | | | |
|--------------------|----------------------------|------------------------|------------|---------|--|
| INSPECTOR NAME: | ABDULLAH MOFEEED | SENIOR INSPECTOR: | M.SARWAR | CLIENT: | |
| QUALIFICATION: | ASNT LEVEL II MT,RT,UT,VT. | INSPECTION SUPERVISOR: | RAO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

CERTIFICATE OF QUALIFICATION VISUAL AND ULTRASONIC THICKNESS GAUGING

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

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|---------------------|--|----------------------|-----------------------|
| CLIENT: | DAQING DRILLING COMPANY | REPORT NO: | QC-DQ-10-24-0240-07B |
| 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: | Mud Tank | MFG SERIAL NO: | 12-16-32 |
| 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 | 4.96 | 5.05 | 5.01 | 3 mm As client | SATISFACTORY |
| | 2 | 5.45 | 5.43 | 5.15 | 5.28 | 3 mm As client | |
| | 3 | 5.16 | 5.62 | 5.33 | 5.35 | 3 mm As client | |
| | 4 | 4.96 | 5.51 | 5.17 | 5.61 | 3 mm As client | |
| | 5 | 5.15 | 5.28 | 5.47 | 5.22 | 3 mm As client | |

INSPECTION RESULT

| | | |
|------|----------|---|
| VT | Accepted | * According to ASTM E709. |
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|-------------------------------|-------------------------------|------------------------|-------------|------------------------------|----------------------|----------|-------------|
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| 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 IN MT,PT,UT,VT, | INSPECTION SUPERVISOR: | RAO SOHAIL | HB&SIGN | | | |
| SIGNATURE & STAMP: | | | | DATE: | | | |

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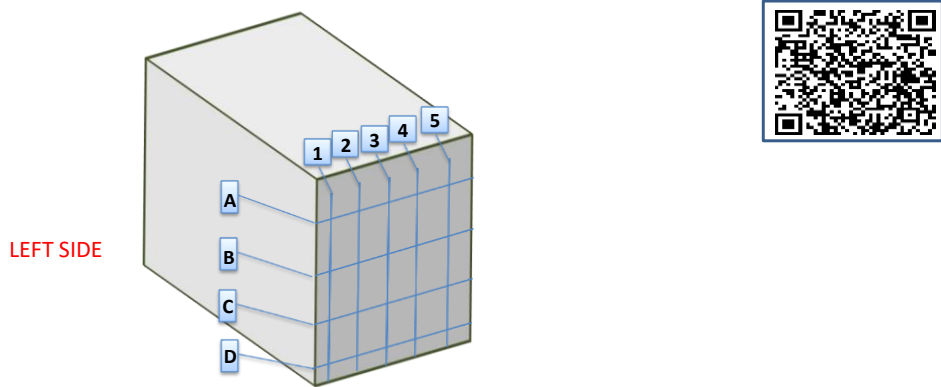


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| MANUFACTURER: | N/A | MFG YEAR : | N/A |

INSPECTION DETAILS



| POINT NO. | ANGLE | THICKNESS AT POSITION (mm) | | | | | REMARKS |
|------------|-------|------------------------------|------|------|------|----------------|--------------|
| | | A | B | C | D | MIN. THICKNESS | |
| FRONT SIDE | 1 | 5.17 | 5.06 | 5.49 | 5.63 | 3 mm As client | SATISFACTORY |
| | 2 | 5.32 | 5.15 | 5.42 | 5.34 | 3 mm As client | |
| | 3 | 5.41 | 5.52 | 5.33 | 4.95 | 3 mm As client | |
| | 4 | 5.12 | 5.34 | 5.27 | 5.12 | 3 mm As client | |
| | 5 | 5.52 | 5.26 | 5.32 | 4.87 | 3 mm As client | |

INSPECTION RESULT

| | | |
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| SIGNATURE & STAMP: | | CLIENT: | DATE: |

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