

# AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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## INSPECTION CERTIFICATE OF BIT. SUB #22-11

|                                                    |                                                                                                                                                 |                        |                                                                                                      |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------|
| Client Name:                                       | DAQING DRILLING                                                                                                                                 | Report No.:            | DQ-22-QC-24-05-RS-013                                                                                |
| Acceptance Criteria:                               | DS-1 Fifth Edition, Volume 3                                                                                                                    | Date of Inspection:    | 29.MAY.2024                                                                                          |
| Work Location:                                     | (RU-618)                                                                                                                                        | Rig No.:               | DQ22                                                                                                 |
| TEST EQUIPMENT & CONSUMABLE DETAILS                |                                                                                                                                                 |                        |                                                                                                      |
| WHITE CONTRAST WCP-2                               | Batch #: 220602 Manufacture: Magnaflux<br>Exp Date: JUN.2025                                                                                    | TECHNICAL DETAILS      | Wet Visible Continuous                                                                               |
| BLACK INK 7HF                                      | Batch#: 220605 Manufacture: Magnaflux<br>Exp Date: JULY.2025                                                                                    | COIL(1200 AMP-TURNS/IN | SC 22713 Cal.15.FEB.2024<br>Cal Due 14.AUG.2024                                                      |
| FLUORESCENT 14HF                                   | Batch #: 220306 Manufacture: Magnaflux<br>Exp Date: March.2025                                                                                  | A.C HAND YOKE          | 201504053 Cal.15.FEB.2024<br>Cal Due 14.AUG.2024                                                     |
| INTENSITY METER                                    | SR#1608000134 CAL.Date Cal. 15.FEB.2024<br>Cal Due 14.AUG.2024                                                                                  | UV BLACK LIGHT         | SR#1900084 Cal.15.FEB.2024<br>Cal Due 14.AUG.2024                                                    |
| LEAD GAGE                                          | SR#AH07KF0027 GAEMAKER LG-5003<br>Cal. 13.FEB.2024<br>Cal Due 12.AUG.2024                                                                       | THREAD PROFILE GAGE    | SR#21336 Cal. 13.FEB.2024<br>Cal Due 12.AUG.2024<br>SR#21335 Cal. 15.FEB.2024<br>Cal Due 14.AUG.2024 |
| Magnetic Partical Concentration 7 HF               | 1.2 TO 2.4 ML/100 ML                                                                                                                            | WMPT Light Intensity   | 3500 Lux                                                                                             |
| Magnetic particle concentration<br>flourcent 14 HF | 0.1 TO 0.4 ML/100 ML                                                                                                                            | UV LIGHT INTENSITY:    | 3050 $\mu\text{w}/\text{cm}^2$                                                                       |
| Magnetism Direction (Longitudinal)                 |                                                                                                                                                 |                        |                                                                                                      |
| METHODOLOGY:                                       | <ul style="list-style-type: none"> <li>Through Visual inspection</li> <li>Dimensional</li> <li>MPI inspection with Ultraviolet light</li> </ul> |                        |                                                                                                      |

| Serial No. | Description | Connections |            | Inspection Results |        | Dimensional 3 Inspection |        |         |      |          |         |        |        |         |      |     |     |        |     |
|------------|-------------|-------------|------------|--------------------|--------|--------------------------|--------|---------|------|----------|---------|--------|--------|---------|------|-----|-----|--------|-----|
|            |             | Box         |            | Box                |        | Box                      |        |         |      |          |         | Box    |        |         |      |     |     | Body   |     |
|            |             | Box         | Box        | Box                | Box    | Box                      | Box    | Box     | Box  | Box      | Box     | Box    | Box    | Box     | Box  | Box | Box | Box    | Box |
| 22-11      | BIT SUB     | 7 5/8" REG  | 7 5/8" REG | Acc.               | NO B.B | Acc                      | 9 1/2" | 7 1/16" | 5/8" | 4 13/16" | 17 1/4" | 8 3/8" | 9 1/2" | 7 1/16" | 5/8" | -   | -   | 8 3/4" | -   |

### Conclusion :

01 - The Above Mentioned Bit .Sub were found "Acceptable" At the time of Inspection.NOTE NO BORE BACK.

### Abbreviations :

|              |                        |           |                    |          |                      |          |               |       |               |        |                |
|--------------|------------------------|-----------|--------------------|----------|----------------------|----------|---------------|-------|---------------|--------|----------------|
| OD           | Outside Diameter       | ID        | Inside Diameter    | SRG      | Stress Relief Groove | CB       | Counter Bore  | BB    | Bore Back     | FB     | Float Bore     |
| $\phi$       | Diameter               | $\lambda$ | Length             | $\sigma$ | Width                | $\delta$ | Depth         | NP.   | Not Present   | NA.    | Not Applicable |
| EGR          | Elevator Groove Recess | SGR       | Slip Groove Recess | CR       | Crack                | B        | Bent          | PC    | Premium Class | RF     | Reface         |
| GT           | Galled Thread          | TP        | Thread Pitting     | SP       | Seal Pitting         | TD       | Thread Damage | SD    | Seal Damage   | M      | Mashed         |
| 1            | 100 % Coating          | 2         | 99-71 % Coating    | 3        | 70-40 % Coating      | 4        | Up to 40 %    | 5     | Nil           | WT     | Wall Thickness |
| Colors Code: |                        | White     | No Defects         | Red      | Crack or Extreme     | Blue     | ACFM          | Green | Field Repair  | Yellow | Damage         |

|                 |                     |            |
|-----------------|---------------------|------------|
| Inspector Name: | Review By           |            |
| Qualification:  | Senior Inspector:   | M.FAHAD    |
| Signature:      | Supervisor:         | WAQAS AWAN |
|                 | Customer Name:      |            |
|                 | Customer Signature: |            |

Original - Client Files Copy - Area Office QC/FN/AF,REP/026 Rev.00 Dated 01 AUG 2021

