

# AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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## CERTIFICATE OF INSPECTION FOR 5" HWDP

|                                                 |                                                                           |                                                                                     |                                                                                                      |
|-------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Client Name:                                    | DAQING DRILLING                                                           | Report No.:                                                                         | DQ-12-QC-24-04-RS-005                                                                                |
| Acceptance Creater:                             | DS-1 Fifth Edition, Volume 3 CAT 3-5                                      | Date of Inspection:                                                                 | 12.APR.2024                                                                                          |
| Work Location:                                  | (R-807)                                                                   | Rig No.:                                                                            | DQ-12                                                                                                |
| 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 flourcent 14 HF | 0.1 TO 0.4 ML/100 ML                                                      | UV LIGHT INTENSITY:                                                                 | 3050 µw/cm <sup>2</sup>                                                                              |
| Magnetism Direction (Longitudinal)              |                                                                           |                                                                                     |                                                                                                      |
| METHODOLOGY:                                    | Through Visual inspection<br>• Dimensional                                | • MPI inspection with Ultraviolet light<br>Heat Checking<br>Thread Profile Gauging. |                                                                                                      |
| Connection:                                     | NC50                                                                      | Size:                                                                               | 5"                                                                                                   |

| Serial No.  | Visual Inspection |                                                                                                                                   |      |    | Black Light |     | Dimensional 3 Inspection |         |            |            |              |            |         |           |           |           |           |              |        |                 |                 |                   |  |  |
|-------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------|------|----|-------------|-----|--------------------------|---------|------------|------------|--------------|------------|---------|-----------|-----------|-----------|-----------|--------------|--------|-----------------|-----------------|-------------------|--|--|
|             |                   |                                                                                                                                   |      |    |             |     | Pin                      |         |            |            |              |            | Box     |           |           |           |           |              | Body   |                 |                 |                   |  |  |
|             | Pin               | Box                                                                                                                               | Body | HB | Pin         | Box | OD (in)                  | ID (in) | SRG ϕ (in) | SRG λ (in) | Bevel ϕ (in) | pin λ (in) | OD (in) | CB ϕ (in) | CB δ (in) | BB ϕ (in) | BB δ (in) | Bevel ϕ (in) | Seal ϕ | Pin Tong λ (in) | Box Tong λ (in) | Center Pad ϕ (in) |  |  |
| 106000208   | SRG. P&T          | Acc                                                                                                                               | Acc  | ✓  | Acc         | Acc | 6 5/8"                   | 3 1/16" | 4 23/32"   | 1"         | 6 1/16"      | 4 7/16"    | 6 5/8"  | 5 5/16"   | 5/8"      | 4 5/8"    | 7 3/4"    | 6 1/16"      | 14/32" | 18 5/8"         | 16 3/4"         | 5 1/2"            |  |  |
| 1195        | SRG. P&T & S.D    | Acc                                                                                                                               | Acc  | ✓  | Acc         | Acc | 6 5/8"                   | 3 1/16" | 4 23/32"   | 1"         | 6 1/16"      | 4 7/16"    | 6 5/8"  | 5 5/16"   | 5/8"      | 4 5/8"    | 8"        | 6 1/16"      | 14/32" | 18 3/4"         | 16 5/8"         | 5 1/2"            |  |  |
| 104000121   | SRG. P&T & S.D    | Acc                                                                                                                               | Acc  | ✓  | Acc         | Acc | 6 5/8"                   | 3 1/16" | 4 23/32"   | 1"         | 6 1/16"      | 4 7/16"    | 6 5/8"  | 5 5/16"   | 5/8"      | 4 5/8"    | 7 7/8"    | 6 1/16"      | 14/32" | 18 3/4"         | 17 1/8"         | 5 1/2"            |  |  |
| DQ-111      | SRG. P&T & S.D    | Acc                                                                                                                               | Acc  | ✓  | Acc         | Acc | 6 5/8"                   | 3 1/16" | 4 23/32"   | 3/4"       | 6 1/16"      | 4 7/16"    | 6 5/8"  | 5 5/16"   | 5/8"      | 4 5/8"    | 8 1/4"    | 6 1/16"      | 14/32" | 15 3/8"         | 17 1/4"         | 5 1/2"            |  |  |
| 122-5       | SRG & T.P         | Acc                                                                                                                               | Acc  | ✓  | Acc         | Acc | 6 5/8"                   | 3 1/16" | 4 23/32"   | 3/4"       | 6 1/16"      | 4 7/16"    | 6 5/8"  | 5 5/16"   | 5/8"      | 4 5/8"    | 8 1/4"    | 6 1/16"      | 14/32" | 15 3/8"         | 16 5/8"         | 5 1/2"            |  |  |
| 267         | T&S. D            | Acc                                                                                                                               | Acc  | ✓  | Acc         | Acc | 6 5/8"                   | 3 1/16" | -          | 1/2"       | 6 1/16"      | 4 7/16"    | 6 5/8"  | 5 5/16"   | 5/8"      | 4 5/8"    | 8"        | 6 1/16"      | 14/32" | 18 3/4"         | 16 7/8"         | 5 1/2"            |  |  |
| Conclusion: |                   | The Above Mentioned 5" Heavy Weight Drill Pipe was Found UnAcceptable from Pin Connection SRG Pitted&Thread&Seal Damage Rejected. |      |    |             |     |                          |         |            |            |              |            |         |           |           |           |           |              |        |                 |                 |                   |  |  |

### Abbreviations :

|              |                        |       |                    |     |                      |      |               |       |               |        |                |
|--------------|------------------------|-------|--------------------|-----|----------------------|------|---------------|-------|---------------|--------|----------------|
| OD           | Outside Diameter       | ID    | Inside Diameter    | SRG | Stress Relief Groove | CB   | Counter Bore  | BB    | Bore Back     | FB     | Float Bore     |
| ϕ            | Diameter               | λ     | Length             | σ   | Width                | δ    | 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 | Damage        | Green | Seal Damage   | Yellow | ACFM           |

|                         |                   |                    |             |                                         |                     |  |
|-------------------------|-------------------|--------------------|-------------|-----------------------------------------|---------------------|--|
| Inspector Name:         | Review By         |                    |             |                                         |                     |  |
| Qualification:          | Senior Inspector: | .FAHAD             | Supervisor: | WAQAS                                   | Customer Name:      |  |
| Signature:              |                   |                    |             |                                         | Customer Signature: |  |
| Original - Client Files |                   | Copy - Area Office |             | QC/FN/DJ-PB/029 Rev.00 dated 07.Nov2021 |                     |  |

