



## CERTIFICATE OF INSPECTION FOR 8" DRILL COLLAR

|   |  |                        |  |
|---|--|------------------------|--|
| Client Name:                                    | DAQING DRILLING CO.  | Report No.:            | QC-03-24-0108-001  |
| Acceptance Createra.                            | DS-1 Fifth Edition, Volume 3 CAT 3-5   | Date of Inspection:    | 24.MAR.2024  |
| Work Location:                                  | RU-604 (DQ 22)   | RIG NAME:              | DQ-22  |
| <b>Test Equipment &amp; Consumable Details</b>  |  |                        |  |
| 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.14.FEB.2024<br>Cal Due15.AUG.2024   |
| FLUORESCENT 14HF                                | Batch #: 220306 Manufacture: Magnaflux<br>Exp Date: March.2025                             | A.C HAND YOKE          | 201504053 Cal. 14.FEB.2024<br>Cal Due15.AUG.2024   |
| INTENSITY METER                                 | SR# R.043943 Cal.14.FEB.2024<br>Cal Due 15.AUG.2024  | UV BLACK LIGHT         | SR#1900084 Cal. 14.FEB.2024<br>Cal Due15.AUG.2024  |
| LEAD GAGE                                       | SR#AH07KF0027 GAEMAKER LG-5003<br>CAL.Date. 14.FEB.2024<br>CAL Due Date 15.AUG.2024        | THREAD PROFILE GAGE    | SR#21336 CAL.Date. 14.FEB.2024<br>CAL Due Date. 15.AUG.2024<br>SR#21335 CAL.Date. 14.FEB.2024<br>CAL Due Date. 15.AUG.2024 |
| Magnetic Partical Concentration 7 HF            | 1.2 TO 2.4 ML/100 ML   | WMPT Light Intensity   | 3520 Lux   |
| Magnetic particle concentration flourcent 14 HF | 0.1 TO 0.4 ML/100 ML   | UV LIGHT INTENSITY:    | 2950 μw/cm <sup>2</sup>  |
| Magnetism Direction (Longitudinal)              |  |                        |  |
| METHODOLOGY:                                    | • Through Visual inspection      •MPI inspection with Ultraviolet light<br>• Dimensional 3 |                        |  |
| Connection:                                     | 6 5/8 REG  | Size:                  | 8"   |

| Serial No. | Visual Inspection |      |      | MPI  |      |      | Dimensional 3 Inspection |            |            |            |             |    |         |           |           |           |           |              |             |                 |             |            |            |                |
|------------|-------------------|------|------|------|------|------|--------------------------|------------|------------|------------|-------------|----|---------|-----------|-----------|-----------|-----------|--------------|-------------|-----------------|-------------|------------|------------|----------------|
|            | Pin               | Box  | Body | Pin  | Box  | Body | Pin                      |            |            |            |             |    | Box     |           |           |           |           |              | Body        |                 |             |            |            |                |
|            |                   |      |      |      |      |      | ID (in)                  | SRG φ (in) | SRG w (in) | Pin λ (in) | Bevel φ(in) | OD | OD (in) | CB φ (in) | CB δ (in) | BB φ (in) | BB δ (in) | Bevel φ (in) | Tong λ (in) | Box Tong λ (in) | Tong λ (in) | EGR δ (in) | SGR δ (in) | Overall λ (in) |
| 81290      | Acc.              | Acc. | Acc. | Acc. | Acc. | Acc. | 2 7/8"                   | 5 12/32"   | 3/4"       | 5"         | 7 1/2"      | 8" | 8"      | 6 1/16"   | 5/8"      | 5 9/32"   | 8 1/2"    | 7 1/2"       | 16"         | 21"             | 5/8"        | 3/16"      | ---        |                |
| DQ22-51    | Acc.              | Acc. | Acc. | Acc. | Acc. | Acc. | 2 7/8"                   | 5 12/32"   | 3/4"       | 5"         | 7 1/2"      | 8" | 8"      | 6 1/16"   | 5/8"      | 5 9/32"   | 8 3/4"    | 7 1/2"       | 14 1/2"     | 21 1/2"         | 5/8"        | 3/16"      | ---        |                |
| 2210       | Acc.              | Acc. | Acc. | Acc. | Acc. | Acc. | 2 7/8"                   | 5 12/32"   | 1"         | 5"         | 7 1/2"      | 8" | 8"      | 6 1/16"   | 5/8"      | 5 9/32"   | 8 1/2"    | 7 1/2"       | 18 1/2"     | 21"             | 5/8"        | 3/16"      | ---        |                |

**Conclusion:** ■ 03 DRILL COLLARS 8" above were found "Acceptable". At time of Inspection.

**Abbreviations :**

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

|                 |                |                     |               |             |               |                |  |
|-----------------|----------------|---------------------|---------------|-------------|---------------|----------------|--|
| Inspector Name: | SHERIF MOHAMED |                     |               | Review By   |               |                |  |
| Qualification:  | <br>           | Senior Inspector:   | MOHAMED FAHAD | Supervisor: | MOHAMED WAQAS | Customer Name: |  |
| Signature:      |                | Customer Signature: |               |             |               |                |  |

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## CERTIFICATE OF INSPECTION FOR 8" DRILL COLLAR

|   |  |                        |  |
|---|--|------------------------|--|
| Client Name:                                    | DAQING DRILLING CO.  | Report No.:            | QC-03-24-0108-002  |
| Acceptance Creater.                             | DS-1 Fifth Edition, Volume 3 CAT 3-5   | Date of Inspection:    | 24.MAR.2024  |
| Work Location:                                  | RU-604 (DQ 22)   | RIG NAME:              | DQ-22  |
| <b>Test Equipment &amp; Consumable Details</b>  |  |                        |  |
| 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.14.FEB.2024<br>Cal Due15.AUG.2024   |
| FLUORESCENT 14HF                                | Batch #: 220306 Manufacture: Magnaflux<br>Exp Date: March.2025                             | A.C HAND YOKE          | 201504053 Cal. 14.FEB.2024<br>Cal Due15.AUG.2024   |
| INTENSITY METER                                 | SR# R.043943 Cal.14.FEB.2024<br>Cal Due 15.AUG.2024  | UV BLACK LIGHT         | SR#1900084 Cal. 14.FEB.2024<br>Cal Due15.AUG.2024  |
| LEAD GAGE                                       | SR#AH07KF0027 GAEMAKER LG-5003<br>CAL.Date. 14.FEB.2024<br>CAL Due Date 15.AUG.2024        | THREAD PROFILE GAGE    | SR#21336 CAL.Date. 14.FEB.2024<br>CAL Due Date. 15.AUG.2024<br>SR#21335 CAL.Date. 14.FEB.2024<br>CAL Due Date. 15.AUG.2024 |
| Magnetic Partical Concentration 7 HF            | 1.2 TO 2.4 ML/100 ML   | WMPT Light Intensity   | 3520 Lux   |
| Magnetic particle concentration flourcent 14 HF | 0.1 TO 0.4 ML/100 ML   | UV LIGHT INTENSITY:    | 2950 $\mu\text{w}/\text{cm}^2$   |
| Magnetism Direction (Longitudinal)              |  |                        |  |
| METHODOLOGY:                                    | • Through Visual inspection      •MPI inspection with Ultraviolet light<br>• Dimensional 3 |                        |  |
| Connection:                                     | <b>6 5/8 REG</b>   | Size:                  | <b>8"</b>  |

| Serial No. | Visual Inspection |      |      | MPI  |      |      | Dimensional 3 Inspection |                 |                   |                    |                   |     |         |                |                  |                |                  |                   |                         |                         |                    |                   |                        |
|------------|-------------------|------|------|------|------|------|--------------------------|-----------------|-------------------|--------------------|-------------------|-----|---------|----------------|------------------|----------------|------------------|-------------------|-------------------------|-------------------------|--------------------|-------------------|------------------------|
|            | Pin               | Box  | Body | Pin  | Box  | Body | Pin                      |                 |                   |                    |                   | Box |         |                |                  |                | Body             |                   |                         |                         |                    |                   |                        |
|            |                   |      |      |      |      |      | ID (in)                  | SRG $\phi$ (in) | SRG $\varpi$ (in) | Pin $\lambda$ (in) | Bevel $\phi$ (in) | OD  | OD (in) | CB $\phi$ (in) | CB $\delta$ (in) | BB $\phi$ (in) | BB $\delta$ (in) | Bevel $\phi$ (in) | Pin Tong $\lambda$ (in) | Box Tong $\lambda$ (in) | EGR $\lambda$ (in) | SGR $\delta$ (in) | Overall $\lambda$ (in) |
| DQ22-88    | G.TH              | Acc. | Acc. | Acc. | Acc. | Acc. | 2 7/8"                   | 5 12/32"        | 1"                | 5"                 | 7 1/2"            | 8"  | 8"      | 6 1/16"        | 5/8"             | 5 9/32"        | 8 1/2"           | 7 1/2"            | 18 1/2"                 | 21'                     | 5/8"               | 3/16"             | ---                    |

**Conclusion:**      ■ **01 DRILL COLLARS 8" above were found "Not Acceptable" From Side Pin. At time of Inspection.**

**Abbreviations :**

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

|                 |                                      |                   |               |             |                     |
|-----------------|--------------------------------------|-------------------|---------------|-------------|---------------------|
| Inspector Name: | SHERIF MOHAMED                       | Review By         |               |             |                     |
| Qualification:  | ASNT Level II<br>MT, PT, VT, UT, ENI | Senior Inspector: | MOHAMED FAHAD | Supervisor: | MOHAMED WAQAS       |
| Signature:      |                                      |                   |               |             | Customer Name:      |
|                 |                                      |                   |               |             | Customer Signature: |

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