

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq Tel: +9647810009138 / +9647810009138
 Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com



AFTER REPAIR INSPECTION CERTIFICATE OF 5" HWDP

| | | | |
|---|---|----------------------------|--|
| Client Name: | DAQING DRILLING | Report No.: | QC-B-06-25-0374-2 |
| Acceptance Criteria: | <input checked="" type="checkbox"/> API SPEC 7-2 | Date Of Inspection: | 23.June.2025 |
| Work Location: | ABERDEEN WORKSHOP | Rig Name | DQ-38 |
| Test Equipment & Consumable Details | | | |
| WHITE CONTRAST WCP-2 | Batch #: 220602 Manufacture: Magnaflux Exp Date: JUN,2026 | TECHNICAL DETAILS | Wet Visible Continuous |
| BLACK INK 7HF | Batch#.220605 Manufacture: Magnaflux Exp Date: JULY.2026 | COIL(1200 AMP-TURNS/IN | 22713 Cal.12.May.2025 Cal Due11.Nov.2025 |
| FLUORESCENT 14HF | Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2026 | A.C HAND YOKE | PY-10 Cal.12.May.2025 Cal Due11.Nov.2025 |
| INTENSITY METER | SR#1608000134 CAL.Date Cal. 12.May.2025 Cal Due 11.Nov.2025 | UV BLACK LIGHT | SR#1895313 Cal.12.May.2025 Cal Due11.Nov.2025 |
| LEAD GAGE | SR#AH07KF0026 GAEMAKER LG- Cal. 12.May.2025 Cal Due 11.Nov.2025 | THREAD PROFILE GAGE | SR#21336 Cal. Cal.12.May.2025 Cal Due11.Nov.2025 SR#21335 Cal. Cal.12.May.2025 Cal Due11.Nov.2025 |
| 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 ² |
| Magnetism Direction (Longitudinal) | | | |
| METHODOLOGY: | • Through Visual inspection •MPI inspection with Ultraviolet light • Dimensional Inspection *Lead Gaiging, & Thread Profile Gaiging. | | |
| Connection: | NC-50 | Size: | 5" |

| Serial No. | Visual Inspection | | | Black Light | | Dimensional 3 Inspection | | | | | | | | | | | | | | | |
|------------|-------------------|------|------|-------------|------|--------------------------|---------|-----------------------|-----------------------|-------------------------|-----------------------|---------|----------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|---------------------------|----------------|-------------|
| | Pin | BOX | Body | Pin | Box | Pin | | | | | Box | | | | | Body | | | | | |
| | | | | | | OD (in) | ID (in) | SRG ² (in) | SRG ² (in) | Bevel ² (in) | pin ² (in) | OD (in) | CB ² (in) | CB ² (in) | BB ² (in) | BB ² (in) | Bevel ² (in) | Pin Tong ² (in) | BoxTong ² (in) | C.W.Pad OD(in) | length (in) |
| 10001422 | - | Acc. | - | - | Acc. | - | - | - | - | - | - | 6-5/8" | 5-5/16" | 5/8" | 4-5/8" | 7-3/4" | 6-5/16" | - | 20" | - | - |
| 37-7 | - | Acc. | - | - | Acc. | - | - | - | - | - | - | 6-1/2" | 5-5/16" | 5/8" | 4-5/8" | 8" | 6-5/16" | - | 16-3/4" | - | - |
| 33423 | - | Acc. | - | - | Acc. | - | - | - | - | - | - | 6-5/8" | 5-5/16" | 5/8" | 4-5/8" | 8" | 6-5/16" | - | 24" | - | - |
| 22288 | - | Acc. | - | - | Acc. | - | - | - | - | - | - | 6-1/2" | 5-5/16" | 5/8" | 4-5/8" | 8" | 6-5/16" | - | 17-5/8" | - | - |
| 10001420 | - | Acc. | - | - | Acc. | - | - | - | - | - | - | 6-5/8" | 5-5/16" | 5/8" | 4-5/8" | 7-3/4" | 6-5/16" | - | 19-1/2" | - | - |
| 9969 | - | Acc. | - | - | Acc. | - | - | - | - | - | - | 6-1/2" | 5-5/16" | 5/8" | 4-5/8" | 7-7/8" | 6-5/16" | - | 23-1/2" | - | - |
| 10001440 | - | Acc. | - | - | Acc. | - | - | - | - | - | - | 6-5/8" | 5-5/16" | 5/8" | 4-5/8" | 7-7/8" | 6-5/16" | - | 19-1/2" | - | - |

Conclusion : (07) The Above Mentioned 5" Heavy Weight Drill Pipe Were Found Acceptable from BOX Connection After Repair at the time of Inspection, Ready to use.

Abbreviations :

| | | | | | | |
|-----------------------------------|-------------------------------|---------------------------------|-------------------------------------|-------------------------|---------------------------|--------------------|
| OD Outside Diameter | ID Inside Diameter | SRG Stress Relief Groove | CB Counter Bore | BB Bore Back | FB Float Bore | |
| ² Diameter | ² Length | ² Width | ² 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: | Tayyab Mehmoed | Review By | | | |
| Qualification: | ASNT Level II M.P.N.T.I. | Senior Inspector: | Muhammad Shehzad | Supervisor: | AHMED MOHAMMAD |
| Signature: | | | | | Customer Name: |
| | | | | | Customer Signature: |

Original – Client Files Copy - Area Office QC/FN/DPI/NDT/006 Rev.00 DATED 07.NOV.2021

