



## AFTER REPAIR INSPECTION CERTIFICATE OF 8''NMDC

|  |  |                        |  |
|--|--|------------------------|--|
| CLIENT NAME:                                   | <b>DAQING DRILLING</b>   | REPORT NO.:            | DQ-12-QC-10-6-003  |
| ACCEPTANCE CRITERIA:                           | <input checked="" type="checkbox"/> API SPEC 7-2   | Date of Inspection:    | 10.JUNE.2024   |
| WORK LOCATION:                                 | <b>ABERDEEN WORKSHOP</b>   |                        |  |
| RIG NAME:                                      | DQ-12  |                        |  |
| <b>TEST EQUIPMENT &amp; CONSUMABLE DETAILS</b> |  |                        |  |
| PENETRANT SKL-WP2                              | Batch #:220511 Exp: May,2025<br>Manufacture: Magnaflux   | DEVELOPER SKD-S2       | Batch #:220302<br>Exp. March,2025<br>Manufacture: Magnaflux  |
| TECHNICAL DETAILS                              | <b>TECHNIQUE 2 - TYPE II VISIBLE, METHOD 'A' WATER -WASHABLE</b>   |                        |  |
| 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 |
| PENETRANT DWELL TIME:                          | 30 Minutes   | DEVELOPER DWELL TIME:  | 15 Minutes   |
| Test Part Temperature:                         | 105 °F   | White Light Intensity: | 3520 Lux   |
| INFRARED THERMOMETER                           | 201704125  | CAL DUE DATE:          | 13.AUG.2024  |
| Digital Lux Meter                              | KL-2842393   | CAL DUE DATE:          | 14.AUG.2024  |
| WATER PRESSURE                                 | 30 PSI   | COMPARATOR BLOCK       | SR#11223 CAL.Date. 19. FEB.2023<br>CAL Due Date. 18. AUG .2023                                       |
| METHODOLOGY:                                   | <ul style="list-style-type: none"> <li>• Through Visual inspection</li> <li>• Dimensional 3</li> <li>• Dye Penetrant Inspection</li> <li>*Lead Gaiging, Taper Gaiging &amp; Thread Profile Gaiging.</li> </ul> |                        |  |

| Serial No. | Description | Connection |     | Result Inspection |     |      | Dimensional 3 Inspection |        |           |           |           |             |        |          |          |          |      |          |             |               |
|------------|-------------|------------|-----|-------------------|-----|------|--------------------------|--------|-----------|-----------|-----------|-------------|--------|----------|----------|----------|------|----------|-------------|---------------|
|            |             | Pin        | Box | Pin               | Box | Body | Pin                      |        |           |           |           | Box         |        |          |          |          | Body |          |             |               |
|            |             |            |     |                   |     |      | OD(In)                   | ID(In) | SRG φ(In) | SRG λ(In) | Pin λ(In) | Bevel φ(In) | OD(In) | CB φ(In) | CB δ(In) | BB φ(In) |      | BB δ(In) | Bevel φ(In) | Overall λ(In) |
| 0572       | 8'' NMDC    | 6 5/8 R    | -   | Acc.              | -   | -    | 8"                       | 3"     | 5 13/32"  | 3/4"      | 5"        | 7 1/2"      | -      | -        | -        | -        | -    | -        | -           | -             |

**Conclusion :** (01)The Above Mentioned 8'' NMDC Were Found Acceptable from Pin Connection After Repair at the time of Inspection ready to use.

**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>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: | Usman Shabbir            | <b>Review By</b>  |               |                     |            |
| Qualification:  | ASNT Level II (MT,PT,UT) | Senior Inspector: | NAVEED HUSIAN | Supervisor:         | RAO SOHAIL |
| Signature:      |                          |                   |               | Customer Name:      |            |
|                 |                          |                   |               | Customer Signature: |            |

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

