

# AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

Tel: +9647810009138 / +9647834964657

Email: [OP@qualitycontrol-iraq.com](mailto:OP@qualitycontrol-iraq.com) / [hany.akafi@qualitycontrol-iraq.com](mailto:hany.akafi@qualitycontrol-iraq.com)



## INSPECTION CERTIFICATE OF FOSV#2020013

|                                                 |                                                                                           |                            |                                                                                                      |
|-------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------|
| <b>Client Name:</b>                             | <b>DAQING DRILLING</b>                                                                    | <b>Report No.:</b>         | DQ-22-QC-24-05-RS-019                                                                                |
| <b>Acceptance Creater:</b>                      | DS-1 Fifth Edition, Volume 3                                                              | <b>Date of Inspection:</b> | 29.MAY.2024                                                                                          |
| <b>Work Location:</b>                           | RU-618                                                                                    | <b>Rig No.:</b>            | DQ-22                                                                                                |
| <b>Test Equipment &amp; Consumeable 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.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 $\mu\text{w}/\text{cm}^2$                                                                       |
| Magnetism Direction (Longitudinal)              |                                                                                           |                            |                                                                                                      |
| <b>METHODOLOGY:</b>                             | • Through Visual inspection<br>• Dimensional 3<br>• MPI inspection with Ultraviolet light |                            |                                                                                                      |

| Serial No.          | Description | Connection                                                                               |      | Result Inspection |      |      | Dimensional3- Inspection |        |                    |                       |                    |                      |        |                   |                   |                    |                    |                      |                           |                        |                        |
|---------------------|-------------|------------------------------------------------------------------------------------------|------|-------------------|------|------|--------------------------|--------|--------------------|-----------------------|--------------------|----------------------|--------|-------------------|-------------------|--------------------|--------------------|----------------------|---------------------------|------------------------|------------------------|
|                     |             | Pin                                                                                      | Box  | Pin               | Box  | Body | Pin                      |        |                    |                       |                    | Box                  |        |                   |                   |                    | Body               |                      |                           |                        |                        |
|                     |             |                                                                                          |      |                   |      |      | OD(In)                   | ID(In) | SRG $\square$ (In) | NECK W $\square$ (In) | Pin $\square$ (In) | Bevel $\square$ (In) | OD(In) | CB $\square$ (In) | CB $\square$ (In) | FBD $\square$ (In) | FBL $\square$ (In) | Bevel $\square$ (In) | Tongspac e (In) $\square$ | Box Lth (In) $\square$ | Overall $\square$ (In) |
| 2020013             | FOSV        | 6 5/8"Reg                                                                                | NC50 | Acc.              | Acc. | Acc. | 8"                       | 3 1/4" | -                  | 1/2"                  | 4 15/16"           | 7 1/2"               | 6 5/8" | 5 5/16"           | 5/8               | -                  | -                  | 6 5/16"              | 26"                       | 23 5/8"                | 41 1/8"                |
| <b>Conclusion :</b> |             | <b>*01 FOSV above was found "Acceptable". At the time of Inspection (Ready for Use).</b> |      |                   |      |      |                          |        |                    |                       |                    |                      |        |                   |                   |                    |                    |                      |                           |                        |                        |

|                     |                        |              |                    |            |                      |             |               |              |               |               |                |
|---------------------|------------------------|--------------|--------------------|------------|----------------------|-------------|---------------|--------------|---------------|---------------|----------------|
| <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     |
| $\square$           | Diameter               | $\square$    | Length             | $\square$  | Width                | $\square$   | 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     | <b>Blue</b> | Damage        | <b>Green</b> | Seal Damage   | <b>Yellow</b> | ACFM           |

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

