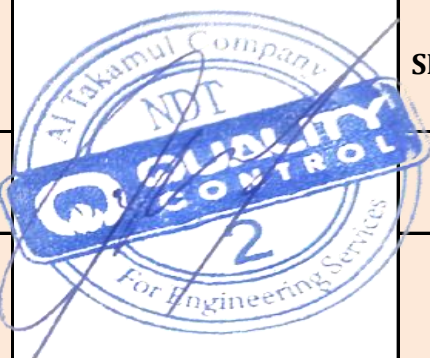


AI TAKAMUL COMPANY FOR ENGINEERING TESTS  
AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq



| CERTIFICATION OF VISUAL, THOROUGH EXAMINATON & MAGNETIC PARTICLE INSPECTION        |                                                              |                                              |                  |                      |                                                                                                                                                              |                                                                                                                |                    |                                                                                       |                   |                |  |  |
|------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------|------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------|-------------------|----------------|--|--|
| Client:                                                                            | HALLIBURTON (TSS)                                            |                                              |                  |                      | Report No:                                                                                                                                                   | QC-24-08-TSS-MS-033A                                                                                           |                    |                                                                                       |                   |                |  |  |
| Location:                                                                          | Burjesia Halliburton Camp Basra - Iraq (TSS)                 |                                              |                  |                      | STANDARD                                                                                                                                                     | DS-1 VOLUME-4 FIFTH EDITION,                                                                                   |                    |                                                                                       |                   |                |  |  |
| Inspection Date:                                                                   | Monday, August 5, 2024                                       |                                              |                  |                      | Next Inspection Date:                                                                                                                                        | Tuesday, February 4, 2025                                                                                      |                    |                                                                                       |                   |                |  |  |
| Type Of Inspection:                                                                | VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION |                                              |                  |                      | Refrance Standard TSS                                                                                                                                        | ST-GL-HAL-TT-510 REV NO 5.1                                                                                    |                    |                                                                                       |                   |                |  |  |
|  | Sr. No                                                       | Item Description                             |                  | Sap No.              | DESCRIPTION:                                                                                                                                                 | 5" OMNI-DT CIRCULATING VALVE                                                                                   |                    |                                                                                       |                   |                |  |  |
|                                                                                    | 01                                                           | NITROGRN FILLER                              |                  | 101617858            | S/N:                                                                                                                                                         | 12240589                                                                                                       |                    |                                                                                       |                   |                |  |  |
|                                                                                    | 02                                                           | TOP COUPLING,                                |                  | 100065934            |                                                                                                                                                              |                                                                                                                |                    |                                                                                       |                   |                |  |  |
|                                                                                    | 03                                                           | NITROGEN MANDREL                             |                  | 100065911            |                                                                                                                                                              |                                                                                                                |                    |                                                                                       |                   |                |  |  |
|                                                                                    | 04                                                           | NITROGEN CASE                                |                  | 100065910            | INSPECTION RESULT :                                                                                                                                          |                                                                                                                |                    |                                                                                       |                   |                |  |  |
|                                                                                    | 05                                                           | CHECK VALVE NUT                              |                  | 100065956            |                                                                                                                                                              |                                                                                                                |                    |                                                                                       |                   |                |  |  |
|                                                                                    | 06                                                           | RATCHET                                      |                  | 100065915            | VISUAL , THOROUGH EXAMINATION                                                                                                                                | VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONEON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION |                    |                                                                                       |                   |                |  |  |
|                                                                                    | 07                                                           | OPERATING MANDREL                            |                  | 100065965            | MAGNETIC PARTICLE INSPECTION                                                                                                                                 | Thread & Availible critical areas inspected and found free from cracks and other defects                       |                    |                                                                                       |                   |                |  |  |
|                                                                                    | 08                                                           | OPERATING CASE                               |                  | 100065916            |                                                                                                                                                              |                                                                                                                |                    |                                                                                       |                   |                |  |  |
|                                                                                    | 09                                                           | FLOATING PISTON                              |                  | 100065961            |                                                                                                                                                              |                                                                                                                |                    |                                                                                       |                   |                |  |  |
|                                                                                    | 10                                                           | OIL CASE                                     |                  | 100065913            | FINAL RESULTS                                                                                                                                                | THE ABOVE INSPECTED AREAS WAS ACCEPTED                                                                         |                    |                                                                                       |                   |                |  |  |
|                                                                                    | 11                                                           | SEALING NIPPLE                               |                  | 100065962            | COMMENT:<br>(MPI Wet Flourocent inspection Thread & Body With UltraViolet Light)<br>Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast |                                                                                                                |                    |                                                                                       |                   |                |  |  |
|                                                                                    | 12                                                           | CIRCULATING PORT                             |                  | 101762732            |                                                                                                                                                              |                                                                                                                |                    |                                                                                       |                   |                |  |  |
|                                                                                    | 13                                                           | CIRCULATING MANDREL                          |                  | 1017762221           |                                                                                                                                                              |                                                                                                                |                    |                                                                                       |                   |                |  |  |
|                                                                                    | 14                                                           | CIRCULATING CASE                             |                  | 100065914            |                                                                                                                                                              |                                                                                                                |                    |                                                                                       |                   |                |  |  |
|                                                                                    | 15                                                           | SPRING FINGER                                |                  | 101666471            |                                                                                                                                                              |                                                                                                                |                    |                                                                                       |                   |                |  |  |
|                                                                                    | 16                                                           | HOLDER,SEAT SEALING                          |                  | 101834007            |                                                                         |                                                                                                                |                    |                                                                                       |                   |                |  |  |
| 17                                                                                 | BALL VALVE CAGE                                              |                                              | 102313157        |                      |                                                                                                                                                              |                                                                                                                |                    |                                                                                       |                   |                |  |  |
| EQUIPMENT DETAILS                                                                  |                                                              |                                              |                  |                      | PERSON DETAILS                                                                                                                                               |                                                                                                                |                    | REVIEW BY                                                                             |                   |                |  |  |
| EQUIPMENT :                                                                        | AC/DC HAND Yoke                                              | EQUIPMENT :                                  | Shooting Coil DC | EQUIPMENT :          | UV BLACK LIGHT:                                                                                                                                              | 3080                                                                                                           | INSPECTOR NAME:    | USMAN SHABBIR                                                                         | SENIOR INSPECTOR: | NAVEED HUSSAIN |  |  |
| S.NO:                                                                              | 201504052                                                    | S.NO:                                        | 22650            | S.NO:                | µw/cm²                                                                                                                                                       | 1898977                                                                                                        |                    |                                                                                       | SUPERVISOR:       | HANI ALI       |  |  |
| Cal Due Date:                                                                      | 14.OCT.2024                                                  | Cal Due Date:                                | 15.OCT.2024      | Cal Due Date:        | 14.OCT.2024                                                                                                                                                  |                                                                                                                | QUALIFICATION:     | ASNT LEVEL II<br>MT & PT & VT                                                         | CLIENT:           |                |  |  |
| FLUORESCENT 14HF                                                                   |                                                              | Magnaflux                                    | Batch No:        | 220306               | EXPIRE DATE:                                                                                                                                                 | MARCH,2025                                                                                                     |                    |                                                                                       |                   |                |  |  |
| Whie Contrast Paint Manufacture:                                                   |                                                              | Magnaflux                                    | Batch No:        | 220602               | EXPIRE DATE:                                                                                                                                                 | JUN,2025                                                                                                       | STAMP & SIGNATURE: |  |                   |                |  |  |
| Digital Lux Meter                                                                  |                                                              | TECHNICAL DETAILS                            |                  |                      |                                                                                                                                                              | Black Magnetic Ink Manufacture:7HF                                                                             |                    |                                                                                       |                   |                |  |  |
| WHITE LIGHT INTENSITY:                                                             |                                                              |                                              |                  |                      |                                                                                                                                                              |                                                                                                                |                    |                                                                                       |                   |                |  |  |
| 3630 Lux/S.NO:2722003                                                              |                                                              | Wet FLUORESCENT Particle Concentration 14 HF |                  | 0.1 to 0.4 ml/100 ml |                                                                                                                                                              | Batch No:220605                                                                                                |                    |                                                                                       |                   |                |  |  |
| Cal Due Date:16.OCT.2024                                                           |                                                              | Black Magnetic Ink Concentration 7 HF        |                  | 1.2 to 2.4 ml/100 ml |                                                                                                                                                              | EXPIRE DATE:                                                                                                   |                    | Jul-25                                                                                |                   |                |  |  |

