## Al TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq



| CERTIF              | ICATION OF VISUAL, THOROUGH E                               | EXAMINATO  | V & MAC  | ENETIC PARTICLE INSPECTION   |  |  |
|---------------------|---|--|--|--|--|--|
| Client:             | HALLIBURTON WPS   | Report No:   | QC-24-APR- HALL-WPS-003                                |  |  |  |
| Location:           | WPS WORKSHOP  | Job Number:  | QC-23-04-HALL-037                                      |  |  |  |
| Inspection Date:    | Saturday, April 27, 2024                                    | Next Inspection Date:  | Saturday, October 26, 2024                             |  |  |  |
| Type Of Inspection: | VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION | Specification:   | ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) |  |  |  |
| *                   |   | UNIT DESCRIP   | ΓΙΟΝ:  | PLATE RIGFLOOR KELLY   |  |  |
|                     |   | UNIT S/N:  |  | TPL-5  |  |  |
|                     |   | INSPECTION RESULT:   |  |  |  |  |
|                     |   | VISUAL , THOROUGH  | EXAMINATION  | unit fully inspected and found free from<br>deforms, cracks, corrosion & mechanical damage |  |  |
|                     |   | MAGNETIC PARTICLI  | INSPECTION   | forgn areas inspected<br>and found free from cracks and other defects                      |  |  |
|                     |   | FINAL RESI   | ILTS   | unit found satisfactory and free of defects<br>at the time of inspection                   |  |  |
|                     |   | COMMENT:   |  |  |  |  |
|                     |   | Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast |  |  |  |  |

| EQUIPMENT DETAILS   |            |         |  |        |             |                     |                 |  | PERSON DETAILS                     |            | REVIEW BY         |                                      |
|---|------------|---------|--|--------|-------------|---------------------|-----------------|--|------------------------------------|------------|-------------------|--------------------------------------|
| EQUIPMENT:  | AC/DC HAND | Yoke    | EQUIPMENT:   | Shooti | ing Coil DC | EQUI                | PMENT:          | UV BLACK LIGHT:<br>3070 μw/cm²           | INSPECTOR NAME:<br>M.Shahzad Ahmed | NDT NDT    | SENIOR INSPECTOR: | NAVEED HUSSAIN                       |
| S.NO:   | 20150405   | 2       | S.NO:  | 2      | 2650        | S                   | .NO:            | 1898977                                  |                                    |            |                   |                                      |
| Cal Due Date:   | 12.AUG.202 | 24      | Cal Due Date:  | 12.A   | UG.2024     | Cal D               | ue Date:        | 12.AUG.2024                              | QUALIFICATION:<br>ASNT LEVEL II    | // //      | SUPERVISOR:       | HANI ALI                             |
| FLUORE  | SCENT 14HF |         | Magnaflux  | Ва     | atch No:    | 220306              | EXPIRE D.       | MARCH,2025                               | MT & PT & VT                       | Q QUALITY  | )                 |                                      |
| Whie Contrast Paint Manufacture   |            | re:     | Magnaflux  | Ba     | atch No:    | 220602              | EXPIRE D        | ATE: JUN,2025                            |                                    | 115 4 1811 |                   |                                      |
| Digital Lux Meter<br>WHITE LIGHT INTENSITY:                                       |            |         | TECHNICAL DETAILS  |        |             |                     |                 | Black Magnetic Ink<br>Manufacture:7HF ST | STAMP & SIGNATURE:                 | Car Secrit | CLIENT:           | ALI Talib HB48903<br>Date:27-04-2024 |
| 3620 Lux/S.NO:2722003   |            | Wet FLU | et FLUORESCENT Particle Concentration 14 HF 0.1 to 0.4 ml/100 ml |        |             | ) ml                | Batch No:220605 |  | gmeering                           |            | Signature         |                                      |
| Cal Due Date:14.AUG.2024  |            | Black   | Black Magnetic Ink Concentration 7 HF 1.2 to 2.4 ml/100 ml       |        | ) ml        | EXPIRE DATE: Jul-25 |                 |  |                                    |            |                   |                                      |
| Original - Client Files Copy - Area Office QC/FN/MPI/065 Rev.00 DATED 07 NOV 2021 |            |         |  |        |             |                     |                 |  |                                    |            |                   |                                      |

