




**AI TAKAMUL COMPANY FOR ENGINEERING TESTS  
AND PROFESSIONAL SAFETY LIMITED**  
Basra, North Rumaila, Quality Control Yard - Iraq



**CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION**

|   |  |   |   |
|---|--|---|---|
| <b>Client:</b>  | HALLIBURTON (TSS)  | <b>Report No:</b>   | QC-AUG-24-TSS-NDT-034   |
| <b>Location:</b>  | WQ-341   | <b>JOB NO:</b>  | QC-AUG-24-TSS-NDT-001   |
| <b>Inspection Date:</b>   | Thursday, August 8, 2024                                     | <b>Next Inspection Date:</b>  | Friday, February 7, 2025  |
| <b>Type Of Inspection:</b>  | VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION | <b>Specification:</b>   | ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A                     |
|  | <b>UNIT DESCRIPTION:</b>                                     | FLANGE: 4" CLASS 150 CLASS 600 x 4" 206 W   |   |
|   | <b>UNIT S/N:</b>   | TSS-003   |   |
|   | <b>INSPECTION RESULT :</b>                                   |   |   |
|   | <b>VISUAL , THOROUGH EXAMINATION</b>                         | VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION |   |
|   | <b>MAGNETIC PARTICLE INSPECTION</b>                          | Available critical areas inspected and found free from cracks and other defects                                 |   |
|   | <b>FINAL RESULTS</b>   | THE ABOVE INSPECTED AREAS WAS ACCEPTED  |   |
| <b>COMMENT:</b>   |  |   |  |
| Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast          |  |   |   |

| EQUIPMENT DETAILS                        |  |                      |                                      |                      |                             | PERSON DETAILS  |  | REVIEW BY                          |                |
|--|--|----------------------|--------------------------------------|----------------------|-----------------------------|---|--|------------------------------------|----------------|
| <b>Equipment:</b>                        | AC-Yoke Test Block                     | <b>Equipment:</b>    | Digital Lux Meter                    | <b>Equipment:</b>    | AC/DC Yoke                  | <b>INSPECTOR NAME:</b><br>RAO SOHAIL<br><br><b>QUALIFICATION:</b><br>ASNT LEVEL II<br>MT & PT & VT<br><br> | <b>SENIOR INSPECTOR:</b><br><br>NAVEED HUSSAIN | <b>SUPERVISOR:</b><br><br>HANI ALI | <b>CLIENT:</b> |
| <b>S.No:</b>                             | 1657                                   | <b>S.No:</b>         | 2722003                              | <b>S.No:</b>         | 201504052                   |   |  |                                    |                |
| <b>Cal Due Date:</b>                     | 14-Oct-24                              | <b>Cal Due Date:</b> | 16-Oct-24                            | <b>Cal Due Date:</b> | 14-Oct-24                   |   |  |                                    |                |
| <b>Black Magnetic Ink Manufacture:</b>   | Magnaflux                              | <b>Batch No:</b>     | 220605                               | <b>Expiry Date:</b>  | JULY.2025                   | <b>STAMP &amp; SIGNATURE:</b>   |  |                                    |                |
| <b>White Contrast Paint Manufacture:</b> | Magnaflux                              | <b>Batch No:</b>     | 220602                               | <b>Expiry Date:</b>  | JUN,2025                    |   |  |                                    |                |
| <b>Technical Details:</b>                | <b>Magnetic Partical Concentration</b> |                      | <b>Method</b>                        |                      | <b>WMPT Light Intensity</b> |   |  |                                    |                |
|  | 1.2 to 2.4 ml/100 ml                   |                      | Wet Magnetic Particle Testing (WMPT) |                      | 3630 Lux                    |   |  |                                    |                |

Original - Client Files      Copy - Area Office      QC/FN/MPI/065 Rev.00 DATED 07 NOV 2021



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