

# 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 (HPS)  | <b>Report No:</b>            | QC/24/HALL-HPS-JULY-001A  |  |
| <b>Location:</b>           | HPS YARD   | <b>Job Number:</b>           | QC-24/HALL-HPS-007        |  |
| <b>Date:</b>               | Monday, July 1, 2024   | <b>Next Inspection Date:</b> | Monday, December 30, 2024 |  |
| <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) |



|                                      |   |
|--------------------------------------|---|
| <b>UNIT DESCRIPTION:</b>             | FRAC TANK LIFTING LUGS  |
| <b>UNIT S/N:</b>                     | 12128625  |
| <b>UNIT DIM:</b>                     | 13.50 M (L) X 2.50 M (W) X 3.65 M (H)   |
| <b>INSPECTION RESULT :</b>           |   |
| <b>VISUAL , THOROUGH EXAMINATION</b> | unit fully inspected and found free from deforms, cracks, corrosion & mechanical damage |
| <b>MAGNETIC PARTICLE INSPECTION</b>  | Welds & forgn areas inspected and found free from cracks and other defects              |
| <b>FINAL RESULTS</b>                 | unit found satisfactory and free of defects at the time of inspection                   |
| <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>        |  | <b>SENIOR INSPECTOR:</b> | NAVEED HUSSEIN |
| <b>S.No:</b>                            | 1657                                   | <b>S.No:</b>         | 2722003                              | <b>S.No:</b>         | 201504052                   | <b>QUALIFICATION</b>          |  | <b>SUPERVISOR:</b>       | HANI ALI       |
| <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>ASNT LEVEL II</b>          |  | <b>CLIENT:</b>           |                |
| <b>Black Magnetic Ink Manufacture:</b>  | Magnaflux                              | <b>Batch No:</b>     | 220605                               | <b>Expiry Date:</b>  | JULY.2025                   | <b>MT &amp; PT &amp; VT</b>   |  |                          |                |
| <b>Whie 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> | <b>STAMP &amp; SIGNATURE:</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