

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

|                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                                                                            |                                                        |                                                                                         |               |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------|--|
| <b>Client:</b>                                                                                                                                                                                                                                                                                                                                                                                                            | HALLIBURTON                                                  | <b>Report No:</b>                                                          | QC-25-05-TSS-001                                       |                                                                                         |               |  |
| <b>Location:</b>                                                                                                                                                                                                                                                                                                                                                                                                          | TSS                                                          | <b>Job Number:</b>                                                         | QC-25-5-TSS-001                                        |                                                                                         |               |  |
| <b>Date:</b>                                                                                                                                                                                                                                                                                                                                                                                                              | Saturday, May 25, 2024                                       | <b>Next Inspection Date:</b>                                               | Sunday, November 24, 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>                                                   | SEPRATOR PAD EYES                                      |                                                                                         |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              | <b>UNIT S/N:</b>                                                           | 12405458                                               |                                                                                         |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              | <b>UNIT DIM:</b>                                                           | 6.0 M (L) X 2.40 M (W) X 2.60 M(H)                     |                                                                                         |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              | <b>PAD EYES DIMENSION</b>                                                  | <b>PAD EYE QTY</b>                                     | <b>Unit M.G.W</b>                                                                       | <b>REMARK</b> |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              | Thickness :- 32 mm                                                         | 4                                                      | 2000Kg                                                                                  | Satisfactory  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              | Pin Hole :- 39 mm                                                          |                                                        |                                                                                         |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              | Length :- 300 mm                                                           |                                                        |                                                                                         |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              | Height :- 130 mm                                                           |                                                        |                                                                                         |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              | <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><br>Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast                                                                                                                                                                                                                                                                                                                               |                                                              |                                                                            |                                                        |                                                                                         |               |  |



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

