



# Aberdeen Technical Services and General Transportation

## Certificate of Visual Thorough Examination and Magnetic Particle Inspection (MPI)



|                     |  |                       |                        |
|---------------------|--|-----------------------|------------------------|
| Client:             | <b>Hilong Oil Services &amp; Engineering</b> | Certificate Number:   | ATS-12-23-2486-MPI-010 |
| Rig Number:         | HL99   | Job No:               | ATS-12-23-2486         |
| Location:           | RIG-99/HILONG BASE                           | Page No:              | 01 of 04               |
| Date of Inspection: | 11-12-2023                                   | Next Inspection Date: | 10-06-2024             |
| Type of Inspection  | Visual inspection & MPI (Wet Visible Method) | Ref. Standards:       | ASTM E709, ASTM E 1444 |

**PICTORIAL:**



**Item Description:** Bill Nipple Pad Eyes & Welding Area

| Bill Nipple Pad eyes |             |             |         |          |         |
|----------------------|-------------|-------------|---------|----------|---------|
| SN:                  | Height (mm) | Length (mm) | PH (mm) | THK (mm) | SWL (T) |
| A                    | 95          | 86          | 36      | 10       | 1 Ton   |
| B                    |             |             |         |          |         |
| C                    |             |             |         |          |         |
| D                    |             |             |         |          |         |

**Serial Number:** BL-05

**Details of inspection method(s):**  
Visible magnetic particle inspection

**Inspection Results:**  
MPI WAS CARRIED OUT ON THE WELDING AND CRITICAL AREAS OF THE ABOVE-MENTIONED ITEM AND FOUND NO CRACKS OR RELEVANT INDICATIONS AT THE TIME OF INSPECTION.

**Remarks:** ACCEPTED

| Inspection Equipment Details |                               |                         | Personnel Details |               | Company Stamp |
|------------------------------|-------------------------------|-------------------------|-------------------|---------------|---------------|
| <b>Equipment</b>             | Ac yoke                       | Digital Vernier Caliper | Inspector:        | Aram Dlawar   |               |
| Serial Number                | 201504044                     | 8914                    | Qualifications    | ASNT LEVEL II |               |
| Calibration Date:            | 17-08-2023                    | 17-08-2023              | Date:             | 11-12-2023    |               |
| Calibration Due:             | 16-02-2024                    | 16-02-2024              | Signature:        |               |               |
| <b>Consumables</b>           | MAGNETIC PARTICLES INSPECTION |                         | Supervisor:       | Hasan Omran   |               |
| Maker and Model              | FLUXO                         | FLUXO                   | Date:             | 14-12-2023    |               |
| Type:                        | WCP-4                         | Black magnetic ink-3    |                   |               |               |
| Batch Number                 | L230523/1                     | L230125/3               |                   |               |               |
| Expiry Date:                 | 23-05-2028                    | 25-1-2025               |                   |               |               |





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| Rig Number:         | HL99   | Job No:               | ATS-12-23-2486         |
| Location:           | RIG-99/HILONG BASE                           | Page No:              | 02 of 04               |
| Date of Inspection: | 11-12-2023                                   | Next Inspection Date: | 10-06-2024             |
| Type of Inspection  | Visual inspection & MPI (Wet Visible Method) | Ref. Standards:       | ASTM E709, ASTM E 1444 |

**PICTORIAL:**



**Item Description:** Bill Nipple Pad Eyes & Welding Area

| Bill Nipple Pad eyes |             |             |         |          |         |
|----------------------|-------------|-------------|---------|----------|---------|
| SN:                  | Height (mm) | Length (mm) | PH (mm) | THK (mm) | SWL (T) |
| A                    | 95          | 86          | 36      | 10       | 1 Ton   |
| B                    |             |             |         |          |         |
| C                    |             |             |         |          |         |
| D                    |             |             |         |          |         |

**Serial Number:BL-06**

**Details of inspection method(s):**  
Visible magnetic particle inspection

**Inspection Results:**  
MPI WAS CARRIED OUT ON THE WELDING AND CRITICAL AREAS OF THE ABOVE-MENTIONED ITEM AND FOUND NO CRACKS OR RELEVANT INDICATIONS AT THE TIME OF INSPECTION.

**Remarks: ACCEPTED**

| Inspection Equipment Details |                               |                         | Personnel Details |               | Company Stamp |
|------------------------------|-------------------------------|-------------------------|-------------------|---------------|---------------|
| <b>Equipment</b>             | Ac yoke                       | Digital Vernier Caliper | Inspector:        | Aram Dlawar   |               |
| Serial Number                | 201504044                     | 8914                    | Qualifications    | ASNT LEVEL II |               |
| Calibration Date:            | 17-08-2023                    | 17-08-2023              | Date:             | 11-12-2023    |               |
| Calibration Due:             | 16-02-2024                    | 16-02-2024              | Signature:        |               |               |
| <b>Consumables</b>           | MAGNETIC PARTICLES INSPECTION |                         | Supervisor:       | Hasan Omran   |               |
| Maker and Model              | FLUXO                         | FLUXO                   | Date:             | 14-12-2023    |               |
| Type:                        | WCP-4                         | Black magnetic ink-3    |                   |               |               |
| Batch Number                 | L230523/1                     | L230125/3               |                   |               |               |
| Expiry Date:                 | 23-05-2028                    | 25-1-2025               |                   |               |               |





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| Rig Number:         | HL99   | Job No:               | ATS-12-23-2486         |
| Location:           | RIG-99/HILONG BASE                           | Page No:              | 03 of 04               |
| Date of Inspection: | 11-12-2023                                   | Next Inspection Date: | 10-06-2024             |
| Type of Inspection  | Visual inspection & MPI (Wet Visible Method) | Ref. Standards:       | ASTM E709, ASTM E 1444 |

**PICTORIAL:**



**Item Description:** Bit Breaker Lifting Point & Welding Area

| Pit Breaker Pad eyes |             |             |         |          |         |
|----------------------|-------------|-------------|---------|----------|---------|
| SN:                  | Height (mm) | Length (mm) | PH (mm) | THK (mm) | SWL (T) |
| R1                   | 110         | 100         | 40      | 16       | 3 Ton   |
| R2                   |             |             |         |          |         |
| R3                   |             |             |         |          |         |
| R4                   |             |             |         |          |         |

**Serial Number:BB-02**

**Details of inspection method(s):**  
Visible magnetic particle inspection

**Inspection Results:**  
MPI WAS CARRIED OUT ON THE WELDING AND CRITICAL AREAS OF THE ABOVE-MENTIONED ITEM AND FOUND NO CRACKS OR RELEVANT INDICATIONS AT THE TIME OF INSPECTION.

**Remarks: ACCEPTED**

| Inspection Equipment Details |                               |                         | Personnel Details |               | Company Stamp |
|------------------------------|-------------------------------|-------------------------|-------------------|---------------|---------------|
| <b>Equipment</b>             | Ac yoke                       | Digital Vernier Caliper | Inspector:        | Aram Dlawar   |               |
| Serial Number                | 201504044                     | 8914                    | Qualifications    | ASNT LEVEL II |               |
| Calibration Date:            | 17-08-2023                    | 17-08-2023              | Date:             | 11-12-2023    |               |
| Calibration Due:             | 16-02-2024                    | 16-02-2024              | Signature:        |               |               |
| <b>Consumables</b>           | MAGNETIC PARTICLES INSPECTION |                         | Supervisor:       | Hasan Omran   |               |
| Maker and Model              | FLUXO                         | FLUXO                   | Date:             | 14-12-2023    |               |
| Type:                        | WCP-4                         | Black magnetic ink-3    |                   |               |               |
| Batch Number                 | L230523/1                     | L230125/3               |                   |               |               |
| Expiry Date:                 | 23-05-2028                    | 25-1-2025               |                   |               |               |



ATS-12-23-2486-MPI-010

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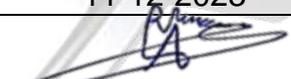
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|-------------------------------------|--|-------------------------|---|---|---|------------------------|--|--|--|--|--|-----|-------------|-------------|---------|----------|---------|-------|-----|-----|
| Rig Number:                         | HL99   |                         | Job No:   | ATS-12-23-2486  |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
| Location:                           | RIG-99/HILONG BASE   |                         | Page No:  | 04 of 04  |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
| Date of Inspection:                 | 11-12-2023   |                         | Next Inspection Date:   | 10-06-2024  |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
| Type of Inspection                  | Visual inspection & MPI (Wet Visible Method)   |                         | Ref. Standards:   | ASTM E709, ASTM E 1444  |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
| <b>PICTORIAL:</b>                   |   |                         | <b>Item Description:</b> Escape Device Anchor Pad Eye   |   |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
|                                     |  |                         | <table border="1"> <thead> <tr> <th colspan="6">Escape Device Pad eyes</th> </tr> <tr> <th>SN:</th> <th>Height (mm)</th> <th>Length (mm)</th> <th>PH (mm)</th> <th>THK (mm)</th> <th>SWL (T)</th> </tr> </thead> <tbody> <tr> <td>003-1</td> <td>105</td> <td>175</td> <td>50</td> <td>20</td> <td>3 Ton</td> </tr> </tbody> </table> |   |   | Escape Device Pad eyes |  |  |  |  |  | SN: | Height (mm) | Length (mm) | PH (mm) | THK (mm) | SWL (T) | 003-1 | 105 | 175 |
| Escape Device Pad eyes              |  |                         |   |   |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
| SN:                                 | Height (mm)  | Length (mm)             | PH (mm)   | THK (mm)  | SWL (T)   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
| 003-1                               | 105  | 175                     | 50  | 20  | 3 Ton   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
|                                     |  |                         | <b>Serial Number:</b> HL-EW-003   |   |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
|                                     |  |                         | <b>Details of inspection method(s):</b><br>Visible magnetic particle inspection   |   |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
|                                     |  |                         | <b>Inspection Results:</b><br>MPI WAS CARRIED OUT ON THE WELDING AND CRITICAL AREAS OF THE ABOVE-MENTIONED ITEM AND FOUND NO CRACKS OR RELEVANT INDICATIONS AT THE TIME OF INSPECTION.  |   |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
|                                     |  |                         | <b>Remarks:</b> <b>ACCEPTED</b>   |   |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
| <b>Inspection Equipment Details</b> |  |                         | <b>Personnel Details</b>  |   |  |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
| <b>Equipment</b>                    | Ac yoke  | Digital Vernier Caliper | Inspector:  | Aram Dlawar   |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
| Serial Number                       | 201504044  | 8914                    | Qualifications  | ASNT LEVEL II   |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
| Calibration Date:                   | 17-08-2023   | 17-08-2023              | Date:   | 11-12-2023  |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
| Calibration Due:                    | 16-02-2024   | 16-02-2024              | Signature:  |  |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
| <b>Consumables</b>                  | MAGNETIC PARTICLES INSPECTION  |                         | Supervisor:   | Hasan Omran   |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
| Maker and Model                     | FLUXO  | FLUXO                   | Date:   | 14-12-2023  |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
| Type:                               | WCP-4  | Black magnetic ink-3    |   |   |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
| Batch Number                        | L230523/1  | L230125/3               |   |   |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |
| Expiry Date:                        | 23-05-2028   | 25-1-2025               |   |   |   |                        |  |  |  |  |  |     |             |             |         |          |         |       |     |     |

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