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|------------------------------|--|-------------------------|-------------------------------|
| Customer: | Hilong Oil Services & Engineering | Date Of Service: | 05/12/2024 |
| Type Of Inspection: | CAT IV INSPECTION | Report No: | ATS-12-24-4628-PBD-002 |
| Rig & Rig Number: | RIG-22 | Specification: | API STD 53 |



ABERDEEN Technical Services Would Like to Thank You for Giving Us the Opportunity to Work With Your Honorable Company

| | | | |
|-------------------------|------------|------------------|------------|
| Inspection Date: | 05-12-2024 | Due Date: | 04-12-2029 |
|-------------------------|------------|------------------|------------|

| | | | |
|-------------------|---|--------------------|--------------------|
| Inspector: | Tayyab Abbasi | Supervisor: | Hasan Omran |
| OEM: |  | | |



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Tel: +964 7833334444 +964 782222633

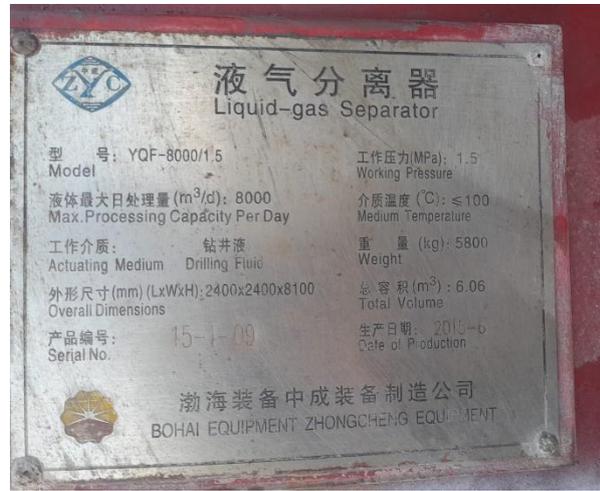
Emails: akader@aberdeents.com
inspection@aberdeents-iq.com



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The Rig Was Equipped with “BOHAI EQUIPMENT ZHONGCHENG EQUIPMENT” Poor boy Degasser, with The Following Specification:

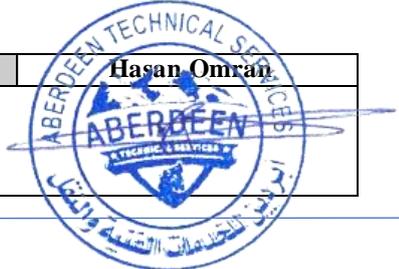
| | |
|------------------------|--------------------------------------|
| Equipment: | Poorboy Degasser |
| SN: | 15-1-09 |
| Date of Manufacture: | 2015-6 |
| Manufacturer: | BOHAI EQUIPMENT ZHONGCHENG EQUIPMENT |
| Reference Standard: | API STD 53 |
| Next Examination Date: | After 5 Years |



Remarks:

Detailed reports are attached detailing all readings and results in - 03 of 09 pages.

| | | | |
|------------|---|-------------|-------------|
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| OEM: |   | | |





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PROCEDURE

- The Poor boy Degasser has been Inspected and Found Conformable to the Relevant Standard(s)
- The Rig was equipped with “BOHAI EQUIPMENT ZHONGCHENG EQUIPMENT” Poor boy Degasser
- The Degasser Found Stripped Down / Fully Dismantling for CAT IV Inspection.

| Action | Result |
|---|--------|
| • Visually check for the serial number and Identification | Pass |
| • Perform MPI on all of the degasser welding joints, inlet lines welding joints, return lines, vent lines, legs & supports, and pipe clamps /brackets welding joints. | Pass |
| • Perform UT Wall thickness measurements (UTM) on all the degasser body and compare it with the minimum thickness specified by the OEM. | Pass |
| • Perform UT flaw detection (UFD) inspection on the critical welding areas (longitudinal and transverse shell welding seams), pay particular attention to the T-Joints. | Pass |
| • Perform Visual and NDT inspection for the Flange faces especially the sealing areas and the gasket grooves of RTJ Flanges. | Pass |
| • Complete and submit the inspection report | Pass |



** Visual, MPI, UTM, and UFD tests were Carried out on the critical areas and welding joints of the Poor Boy Degasser and Found **Satisfactory for Further Use**.

** CAT IV Inspection Was Carried Out on the Poor Boy Degasser and Found **Accepted** At The Time of Inspection

| | | | |
|-------------------|---|--------------------|--------------------|
| Inspector: | Tayyab Abbasi | Supervisor: | Hasan Omran |
| OEM: |  | | |



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Tel: +964 7833334444 +964 782222633

Emails: akader@aberdeents.com
inspection@aberdeents-iq.com



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| Type Of Inspection: | CAT IV INSPECTION | Report No: | ATS-12-24-4628-PBD-002 |
| Rig & Rig Number: | RIG-22 | Specification: | API STD 53 |

Visual & Magnetic Particles Examination Report

| | | | | | |
|--------------|-----------------------------------|-----------|--------|-------------|----------------|
| Client Name: | Hilong Oil Services & Engineering | Location: | ZB-622 | Job Number: | ATS-12-24-4628 |
|--------------|-----------------------------------|-----------|--------|-------------|----------------|

| | | | | | |
|----------------------|------------|-----------------|------------|-----------------|--------------------------|
| Date of Examination: | 05-12-2024 | Date of Report: | 05-12-2024 | Certificate No: | ATS-12-24-4628-PBD-002-1 |
|----------------------|------------|-----------------|------------|-----------------|--------------------------|

| Serial Number | Description of the examined equipment | Result |
|---------------|--|--------|
| 15-1-09 | POOR BOY DEGASSER FLANGES and Sealing Surfaces | Pass |
| S/N: | - | |



NDT Equipment Details

| | | | | | |
|----------------|-----------------------------|--------------------|---------------|----------|------------|
| Standard | API STD 53 & ASTM E 709 | Viewing Condition: | Colored Media | Method | WET |
| Yoke | Ac yoke | Serial No: | 201504044 | Due Date | 27-12-2024 |
| White Contrast | FLUXO: WCP-4 | Batch No: | L230523/1 | Due Date | 23-05-2028 |
| Black Ink | FLUXO: Black magnetic ink-3 | Batch No: | L230125/3 | Due Date | 25-1-2025 |

NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect: **None**

Particulars of any repair, renewal or alteration required to remedy the defect identified above: **None**

| | | |
|-------------------------------|--------------------|-----------------------------------|
| ASNT Level II Inspector Name: | Signature & Stamp: | Date of Next Through Examination: |
| Tayyab Abbasi | | 04-12-2029 |





| | | | |
|---------------------|-----------------------------------|------------------|------------------------|
| Customer: | Hilong Oil Services & Engineering | Date Of Service: | 05/12/2024 |
| Type Of Inspection: | CAT IV INSPECTION | Report No: | ATS-12-24-4628-PBD-002 |
| Rig & Rig Number: | RIG-22 | Specification: | API STD 53 |

Visual & Magnetic Particles Examination Report

| | | | | | |
|--------------|-----------------------------------|-----------|--------|-------------|----------------|
| Client Name: | Hilong Oil Services & Engineering | Location: | ZB-622 | Job Number: | ATS-12-24-4628 |
|--------------|-----------------------------------|-----------|--------|-------------|----------------|

| | | | | | |
|----------------------|------------|-----------------|------------|-----------------|--------------------------|
| Date of Examination: | 05-12-2024 | Date of Report: | 05-12-2024 | Certificate No: | ATS-12-24-4628-PBD-002-2 |
|----------------------|------------|-----------------|------------|-----------------|--------------------------|

| Serial Number | Description of the examined equipment | Result |
|---------------|---------------------------------------|--------|
| 15-1-09 | POOR BOY DEGASSER WELDING AREAS | Pass |
| S/N: | - | |



NDT Equipment Details

| | | | | | |
|----------------|-----------------------------|--------------------|---------------|----------|------------|
| Standard | API STD 53 & ASTM E 709 | Viewing Condition: | Colored Media | Method | WET |
| Yoke | Ac yoke | Serial No: | 201504044 | Due Date | 27-12-2024 |
| White Contrast | FLUXO: WCP-4 | Batch No: | L230523/1 | Due Date | 23-05-2028 |
| Black Ink | FLUXO: Black magnetic ink-3 | Batch No: | L230125/3 | Due Date | 25-1-2025 |

NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect: **None**

Particulars of any repair, renewal or alteration required to remedy the defect identified above: **None**

| | | |
|-------------------------------|--------------------|-----------------------------------|
| ASNT Level II Inspector Name: | Signature & Stamp: | Date of Next Through Examination: |
| Tayyab Abbasi | | 04-12-2029 |





| | | | |
|---------------------|-----------------------------------|------------------|------------------------|
| Customer: | Hilong Oil Services & Engineering | Date Of Service: | 05/12/2024 |
| Type Of Inspection: | CAT IV INSPECTION | Report No: | ATS-12-24-4628-PBD-002 |
| Rig & Rig Number: | RIG-22 | Specification: | API STD 53 |

Visual & Magnetic Particles Examination Report

| | | | | | |
|----------------------|-----------------------------------|-----------------|------------|-----------------|--------------------------|
| Client Name: | Hilong Oil Services & Engineering | Location: | ZB-622 | Job Number: | ATS-12-24-4628 |
| Date of Examination: | 05-12-2024 | Date of Report: | 05-12-2024 | Certificate No: | ATS-12-24-4628-PBD-002-3 |

| Serial Number | Description of the examined equipment | Result |
|---------------|---------------------------------------|--------|
| 15-1-09 | POOR BOY DEGASSER WELDING AREAS | Pass |
| S/N: | - | |



NDT Equipment Details

| | | | | | |
|----------------|-----------------------------|--------------------|---------------|----------|------------|
| Standard | API STD 53 & ASTM E 709 | Viewing Condition: | Colored Media | Method | WET |
| Yoke | Ac yoke | Serial No: | 201504044 | Due Date | 27-12-2024 |
| White Contrast | FLUXO: WCP-4 | Batch No: | L230523/1 | Due Date | 23-05-2028 |
| Black Ink | FLUXO: Black magnetic ink-3 | Batch No: | L230125/3 | Due Date | 25-1-2025 |

NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect: **None**

Particulars of any repair, renewal or alteration required to remedy the defect identified above: **None**

| | | |
|-------------------------------|--------------------|-----------------------------------|
| ASNT Level II Inspector Name: | Signature & Stamp: | Date of Next Through Examination: |
| Tayyab Abbasi | | 04-12-2029 |



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| Customer: | Hilong Oil Services & Engineering | Date Of Service: | 05/12/2024 |
| Type Of Inspection: | CAT IV INSPECTION | Report No: | ATS-12-24-4628-PBD-002 |
| Rig & Rig Number: | RIG-22 | Specification: | API STD 53 |

Visual & Magnetic Particles Examination Report

| | | | | | |
|--------------|-----------------------------------|-----------|--------|-------------|----------------|
| Client Name: | Hilong Oil Services & Engineering | Location: | ZB-622 | Job Number: | ATS-12-24-4628 |
|--------------|-----------------------------------|-----------|--------|-------------|----------------|

| | | | | | |
|----------------------|------------|-----------------|------------|-----------------|--------------------------|
| Date of Examination: | 05-12-2024 | Date of Report: | 05-12-2024 | Certificate No: | ATS-12-24-4628-PBD-002-4 |
|----------------------|------------|-----------------|------------|-----------------|--------------------------|

| Serial Number | Description of the examined equipment | Result |
|---------------|--|--------|
| 15-1-09 | HIGH PRESSURE LINE WELDING AREAS, SUPPORTING EYES AND PINS | Pass |
| S/N: | - | |



NDT Equipment Details

| | | | | | |
|----------------|-----------------------------|--------------------|---------------|----------|------------|
| Standard | API STD 53 & ASTM E 709 | Viewing Condition: | Colored Media | Method | WET |
| Yoke | Ac yoke | Serial No: | 201504044 | Due Date | 27-12-2024 |
| White Contrast | FLUXO: WCP-4 | Batch No: | L230523/1 | Due Date | 23-05-2028 |
| Black Ink | FLUXO: Black magnetic ink-3 | Batch No: | L230125/3 | Due Date | 25-1-2025 |

NDT procedure

Visual and MPI carried out for the above description and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect: **None**

Particulars of any repair, renewal or alteration required to remedy the defect identified above: **None**

| | | |
|-------------------------------|--------------------|-----------------------------------|
| ASNT Level II Inspector Name: | Signature & Stamp: | Date of Next Through Examination: |
| Tayyab Abbasi | | 04-12-2029 |



| | | | |
|---------------------|-----------------------------------|------------------|------------------------|
| Customer: | Hilong Oil Services & Engineering | Date Of Service: | 05/12/2024 |
| Type Of Inspection: | CAT IV INSPECTION | Report No: | ATS-12-24-4628-PBD-002 |
| Rig & Rig Number: | RIG-22 | Specification: | API STD 53 |

Ultrasonic Flaw Detection (UFD) Examination Report

| | | | |
|--|--|---|---|
| Client: Hilong Oil Services & Engineering | Location: HL-22 / ZB-622 | Inspection Date: 04-Dec-2024 | |
| Certificate No: ATS-12-24-4628-UFD-001-1 | Work order & Job No#: ATS-12-24-4628 | Inspection Due Date: 03-Dec-2025 | |
| Item(s) to be inspected: Poorboy Degasser | | | |
| UFD Relative Standards/Specifications: ASME BPVC Section V:2021, Article 4 & API STD 53 | Material: Carbon Steel | | |
| UFD Acceptance Criteria : ASME BPVC.VIII.1:2021, Mandatory appendix12, Paragraph 12-3 | Average Thickness: 8.5 mm | OD: 2435 mm | |
| Ultrasonic Testing Equipment | | Surface Condition: brushed and cleaned | |
| UFD Instrument - Maker: SONATEST Model: SITESCAN D-50 S. No.: I017374 Calibration Due Date: 27-12-2024 | Surface Temperature: 23 C° | | |
| search unit(s) - Maker: MODSONIC Models: MBW70N4 (70°), MMEB4H (0°) S. Nos.: 4322 (70°), 40318 (0°) Sizes: 8 x 9mm (70°), 10 mm² (0°) | Sketch (direct on this page <input checked="" type="checkbox"/> OR attached <input type="checkbox"/> | | |
| beam angle(s) used: <input type="checkbox"/> 45° <input type="checkbox"/> 60° <input checked="" type="checkbox"/> 70° <input checked="" type="checkbox"/> Straight (normal) beam | | | |
| search unit cable(s) - type and length: LEMO 00 - LEMO 01 Single cable, 1m Length | | | |
| Couplant - brand name and/or type: Engine oil | | | |
| Calibration Data | | | |
| Calibration block(s) identification: IIW - V1 Calibration Block | | | Damping, Reject Setting(s), if used: N/A |
| Reference level gain (dB): 62.4 dB (70° Probe) | Scanning gain (dB): + 6db | | |
| Reference reflector(s): side drilled holes (2.5mm) | Evaluating Method(s): DAC 20% (14 dB offset) | | |
| Distance reading(s): 23.35 mm, 46.7mm, 70.05 mm | Sensitivity (Echo Amplitude as % FSH): 80 % | | |
| Sound path length: 85 mm range. | | | |

Observations

| | | |
|--|--|--|
| <p>Location of Inspection (Shells-heads girth welds, and all T-joints)</p> | | |
|--|--|--|

SN:15-1-09

UFD Results

| Item Number | Probe (degree, frequency) | Location/Side | ΔH (%) | Indication | | | | Evaluation | Remarks - Results |
|-------------|---------------------------|---------------------------|----------------|------------|---|---|-------|------------|--|
| | | | | y | x | l | Depth | | |
| 15-1-09 | 0°(Normal), 4MHz | All specified/ both sides | - | - | - | - | - | - | No defects found at the time of Inspection |
| | 70°, 4MHz | A | - | - | - | - | - | - | No defects found at the time of Inspection |
| | 70°, 4MHz | B | - | - | - | - | - | - | No defects found at the time of Inspection |
| | 70°, 4MHz | T1 | - | - | - | - | - | - | No defects found at the time of Inspection |
| | 70°, 4MHz | T2 | - | - | - | - | - | - | No defects found at the time of Inspection |
| | 70°, 4MHz | T3 | - | - | - | - | - | - | No defects found at the time of Inspection |



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| | | | | | | | | |
|-----------|----|---|---|---|---|---|---|--|
| 70°, 4MHz | T4 | - | - | - | - | - | - | No defects found at the time of Inspection |
|-----------|----|---|---|---|---|---|---|--|

y: Distance from zero coordinates (vertically), x: Distance from zero coordinates (horizontally), l: Total length of indication(s), arrows indicate zero coordinates

Comments:

1. UFD by normal angle was carried out on the scanning area of the base metal at both sides of each specified welding joint, for the above-mentioned item and found free of any flaws or any relevant indication at the time of inspection
2. UFD by shear waves (70) was carried out on the (shells-heads girth welds, and all longitudinal-transverse T-joints) of the above-mentioned item and found free of any flaws or any relevant indication at the time of inspection.
3. All dimensions are in mm.

| | | | | |
|------------------------|--------------------------------------|---------------------|--------------------|--------------|
| Inspector Name: | Hasan Omran | Reviewed by: | Majd Dayoub | Stamp |
| Qualification: | NDT Level II (VT, UT, MT, PT) | Date: | 05-Dec-2024 | |
| Signature: | | Signature: | | |