|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ULTRASONIC TESTING REPORT** | | | | | | | | | | |
| Company/Client | | **NCOC N. V.** | | Project | | **ESKENE WEST** | | Location | | **Unit - 560** |
| Line No/Tag No: | | **According to table** | | Material | | **According to table** | | Día × Nominal Thickness | | **According to table** |
| Procedure No: | | **QP-11-UTT-Q01 Rev 03**  **GOST 28702-90** | | Calibration Block | | **Step wedge** | | Probe  S/N | | **D7908**  **1214571** |
| Calibration block Range | | **2.5-25.05 mm** | | Angle | | **0º** |
| Manufacturing Code | | **ASME Sec VIII D.1**  **ASME B31.3** | | Calibration Temp | | **+10ºC** | | Frequency | | **7.5 MHz** |
| Object Temp | | **+12ºC** | | Size | | **5.1 mm** |
| Acceptance Standard: | | **Acc. to the client specif.** | | Correction factors | | **n/a** | | Crystal | | **Dual** |
| Surface condition | | **Coated** | | Couplant | | **UT Gel** | | Accuracy | | **± 0,1 mm** |
|  | | | | | | | | | | |
| S. No | Equipment/  Material Name | | Manufacturer | | Serial No | | Calibration certificate No | | Calibration Expiry date | |
|  | DL-38 | | OLYMPUS | | 171421601 | | BK-01-0674 | | 20-03-2020 | |
|  | Step wedge calibration block | | NDE-TECH | | NDE-8363 | | - | | - | |
| Job description:   1. UT thickness was performed on the Nozzles N1, N2, Shell on A1-560-ZN-003A 2. Inspection performed on East, West, South, North, Top, Bottom and Extrados from external. 3. **Echo-to-echo UT technique was used.** | | | | | | | | | | |
| Notes:  N/A – not applicable.  FSH - Full Screen Height | | | | | | | | | | |

| **Inspection drawing** |
| --- |
| *N2*  *N1*  *Shell -1* |

| **Results,** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S/NO** | **Tag No** | **Item description** | **DIA(Ø), inch** | **Material** | **Nominal thickness, mm** | **East**  **mm** | **West**  **mm** | **South**  **mm** | **North**  **mm** | **Top**  **mm** | **Bottom**  **mm** |
| 1 | A1-560-ZN-003A | **Nozzle N1** | **8** | **SA350M LF2** | **12.7** | 13.12 | 12.90 | - | - | 13.11 | 13.00 |
| 2 | **Nozzle N2** | **8** | **SA350M LF2** | **12.7** | 12.70 | 12.02 | - | - | 12.40 | 11.45 |
| 3 | **Shell 1** | - | **SA 516M Gr.485 N** | **16** | 16.00 | 16.40 | 16.50 | 15.46 | - | - |

| **Inspection drawing** |
| --- |
| 3  2  1 |
| **KE01-A1-5600-BU-P-DI-0001-004 / A1-5600-AG-002-8”-A11** |

| **Results,** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Location** | **Line No** | **Item description** | **DIA(Ø), inch** | **Material** | **Nominal thickness, mm** | **East**  **mm** | **West**  **mm** | **South**  **mm** | **North**  **mm** | **Intrados**  **mm** | **Extrados**  **mm** |
| 1 | **A1-5600-AG-002-8”-A11** | **Elbow** | **6** | **A333 Gr.6** | **7.11** | 6.61 | 6.92 | - | - | 5.52 | 6.96 |
| 2 | **Pipe** | **6** | **A333 Gr.6** | **7.11** | 7.00 | 7.05 | 7.00 | 6.54 | - | - |
| 3 | **Elbow** | 6 | **A333 Gr.6** | **7.11** | - | - | 5.46 | 4.50 | 6.45 | 4.80 |

| **Inspection drawing** |
| --- |
| 1 |
| **A1-5600-GA-007-6-A11** |

| **Results,** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Location** | **Line No** | **Item description** | **DIA(Ø), inch** | **Material** | **Nominal thickness, mm** | **East**  **mm** | **West**  **mm** | **South**  **mm** | **North**  **mm** | **Top**  **mm** | **Bottom**  **mm** |
| 1 | **A1-5600-AG-007-6”-A11** | **Pipe** | **6** | **A333 Gr.6** | **7.11** | 6.61 | 6.64 | - | - | 6.43 | 7.02 |

|  |  |  |  |
| --- | --- | --- | --- |
| Examined by  UT L II cert. No 356  expiry date: 28.04.2021 | Name: Dosbatyrov Damir | Signature:............................... | Date: 12 Oct 2019 |
| Approved by UT Level II  cer. No 1A 253/15  expiry date: 31.05.2020 | Name: Shakunou Andrei | Signature: ............................ | Date: 12 Oct 2019 |
| Client Representative: | Name: …………………………… | Signature: .............................. | Date: ……………………… |