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| Obraz zawierający obiekt, lampa  Opis wygenerowany automatycznie |  |  | | |  |  |
|  | | | | | | |
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| **Pressure proof test of plug assembly** |
| Checklist |
|  |
| The following document provides a checklist of conducting a pressure proof test of plug assembly. In order to get more familiar with plug integration, see document TWR2\_plug\_integration\_procedure. |

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| PROCEDURES CHECKLIST | | | | | | | | |
| **Date (YYYY-MM-DD):** | | | | | **People responsible for the test:** | | | |
| **Time of procedure initiation (HH:MM):** | | | | | **Time of procedure completion (HH:MM):** | | | |
| **Location: 011** | | | | | **Model of the pump used:** | | | |
| **Tested component:**  **TWR.2A.4.03.02.000\_Plug\_assembly** | | | | | **Number:** | | | |
| **Maximum pressure during work: 90 bar** | | | | | **Work time: 20 seconds** | | | |
| **Pressure obtained:** | | **Time elapsed after reaching maximum pressure:** | | | **Pressure after elapsed time:** | **Confirmed leakage rate:** | | **Result:** |
| **#** | **Time of activity** | | **Local time** | **Status** | **Activity** | | **Comments** | |
| 1. |  | |  | [ ] | Integrate the plug assembly according to document TWR2\_plug\_integration\_procedure using DIN 908 M12x1 stoppers instead of swirl injectors. | |  | |
| 2. |  | |  | [ ] | Depending on the hydraulic couplings available, seal the main 1" hydraulic outlet from the plug or the outlet for the pressure sensor before injection plate (tube adapter closer to the axis of the plug). | | Remember to use silicone grease on the threads and flat gaskets, and teflon tape where the use of flat gaskets is not possible. | |
| 3. |  | |  |  | Pour water into the vessel thus created, until its full. | | Depending on pump producer recommendation, use distilled water as a medium to build-up pressure. | |
| 3. |  | |  |  | Screw the hydraulic interface from the pump using the hydraulic couplings selected for this purpose to the plug hydraulic interface left available. | |  | |
|  |  | |  |  | Wipe all leftover water on the plugs and combustion chamber body surface using paper towels. | |  | |
| 3. |  | |  | [ ] | Make sure no one is standing near the plug or in the axis of the hydraulic couplings. | |  | |
| 4. |  | |  | [ ] | Wear safety goggles and headphones. | |  | |
| 5. |  | |  | [ ] | Use the pump to build-up desired pressure level. | |  | |
| 6. |  | |  | [ ] | Once the desired system pressure has been reached, wait a preset amount of time, observing the pressure gauge at the pump. Note the changes in pressure values over time. | |  | |
| 7. |  | |  | [ ] | Once the set time has passed, carefully release the pressure using the pump valve. Disassemble the system. | |  | |
| **Notes:**   |  |  |  | | --- | --- | --- | | No of measurement | Time passed from beginning of test | Current pressure | | 1 |  |  | | 2 |  |  | | 3 |  |  | | 4 |  |  | | | | | | | | | |
| **Legible signatures of people responsible for the test:** | | | | | | | | |