|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Obraz zawierający obiekt, lampa  Opis wygenerowany automatycznie |  |  | | |  |  |
|  | | | | | | |
| Main author: | | Jakub Tyszkiewicz | Co- author(s): | Bartosz Hyży | | |
| Date: | | 30.01.2024 |  |
| Number of pages: | |  |
|  | |  |
|  | |  |
|  | |  |
|  | |  |

|  |
| --- |
| **Leakage test of plug assembly** |
| Checklist |
|  |
| The following dokument provides a checklist of conducting a leakage test of plug assembly. In order to get more familiar with plug integration, see document TWR2\_plug\_integration\_procedure. |

Page intentionally left blank

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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: 8 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). Screw the hose from the compressor using the hydraulic couplings selected for this purpose to the hydraulic interface left available. | | Remember to use silicone grease on the threads and flat gaskets, and teflon tape where the use of flat gaskets is not possible. | |
| 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. |  | |  | [ ] | Switch on the compressor and leave it running until the pressure reaches 8 bar, then switch off the compressor. | |  | |
| 6. |  | |  | [ ] | Count down 20 seconds, during which carefully observe the compressor pressure gauge readings. | |  | |
| 7. |  | |  | [ ] | Note the final system pressure. | |  | |
| 8. |  | |  | [ ] | Release the pressure by unscrewing control valve. | |  | |
| 9. |  | |  | [ ] | Disconnect hose from compressor, disintegrate system under test. | |  | |
| **Notes:**   |  |  |  | | --- | --- | --- | | No of measurement | Time passed from beginning of test | Current pressure | | 1 |  |  | | | | | | | | | |
| **Legible signatures of people responsible for the test:** | | | | | | | | |