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| Obraz zawierający obiekt, lampa  Opis wygenerowany automatycznie |  |  | | |  |  |
|  | | | | | | |
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| **Pressure proof test of combustion chamber** |
| Checklist |
|  |
| The following document provides a checklist of correctly done pressure tests of combustion chamber. Since the combustion chamber construction is using the same technology as Grot casing, some Grot technological elements are also used here. |

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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:**  **G.1.02.01.000\_Casing, G.1.02.00.001\_Insulation** | | | | | **Number:** | | | |
| **Maximum pressure during work: 90 Bar (safety factor equal to 2)** | | | | | **Work time: 20 seconds** | | | |
| **Pressure obtained:** | | **Time elapsed after reaching maximum pressure:** | | | **Pressure after elapsed time:** | **Confirmed safety factor:** | | **Result:** |
| **#** | **Time of activity** | | **Local time** | **Status** | **Activity** | | **Comments** | |
| 1. |  | |  | [ ] | Read the safety rules and the test instruction. Put on protective clothing. | |  | |
| 2. |  | |  | [ ] | Insert element G.1.02.00.001\_Insulation in G.1.02.01.000\_Casing | |  | |
| 3. |  | |  | [ ] | Seal the orifices of TG.5.02.00.001\_Closure\_hydro\_plug\_2 using suitable plugs and flat plumbing washers or Teflon tape. | |  | |
| 4. |  | |  | [ ] | Insert element TG.5.02.00.001\_Closure\_hydro\_plug\_2 sealing the connection with o-rings. Make sure that the grooves for the o-rings and the o-rings themselves are coated with silicone grease. | |  | |
| 5. |  | |  | [ ] | Secure the position of the plug by fitting a seger in the groove above it. | |  | |
| 6. |  | |  | [ ] | Pour water into the vessel thus created. The water should reach a level just below the second groove for the seger ring. | | Depending on pump producer recommendation, use distilled water as a medium to build-up pressure. | |
| 7. |  | |  | [ ] | Seal the M5 threaded orifice in the plug using a Teflon-wound screw or a suitable flat gasket. Leave the G1/4 hydraulic outlet open. | |  | |
| 8. |  | |  | [ ] | As with the first plug, also seal the second plug- insulation connection with o-rings, taking care to coat the surface of the o-ring grooves and the o-rings themselves with grease. | |  | |
| 9. |  | |  | [ ] | Secure the position of the second plug by fitting a second seger. | |  | |
| 7. |  | |  | [ ] | Screw the appropriate hydraulic adapters into the G1/4 outlet of the plug so that a pressure pump can be connected to it. | |  | |
| 8. |  | |  | [ ] | Screw the hydraulic adaptor of the pump to the system outlet thus created. | |  | |
| 9. |  | |  | [ ] | Wipe all leftover water on the plugs and combustion chamber body surface using paper towels. | |  | |
| 10. |  | |  | [ ] | Use the pump to build-up desired pressure level. | |  | |
| 11. |  | |  | [ ] | Screw the pump into the second of the threaded holes. | |  | |
| 12. |  | |  | [ ] | 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. | |  | |
| 13. |  | |  | [ ] | 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 |  |  | | 5 |  |  | | 6 |  |  | | | | | | | | | |
| **Legible signatures of people responsible for the test:** | | | | | | | | |