



| | | | | | |
|---|---|-----------------------|--|------------------------|-----------------------|
| ANTONIUS | QTR Qualification Test Record NORSOK M-650 | | QTR. No.: 006 | | |
| | | | Rev. No.: 1 | | |
| Manufacturer name/address/ Web page: | Antonius Vesselheads BV S. Houbenweg 1, 6051AL Maasbracht, Netherlands www.antonius.nl | | | | |
| Reference standard | NORSOK M-650 Ed.4, September 2011 | | | | |
| Material designation and MDS No.: | 25Cr Super Duplex SS (UNS S32750) according MDS D53 Rev.5 | | | | |
| Manufacturing Summary doc. No.: | 2.0 Manufacturing Summary 25Cr Super Duplex SS MS-006-SDSS rev.1 | | | | |
| Products and manufacturing process(es): | Dished heads and components manufactured by: B1-2: Hot pressing seamless. | | | | |
| Mandatory conditions and sub-contractors: | Suppliers of starting material shall be qualified according to M650 Ed.4 Heat treatment (furnaces GL001 and GL004), blasting and pickling by own facilities. Furnace (GL001 and GL004) verification done and approved by Aker Solutions on May 3 rd 2013. External laboratory: GWQ-Moers (D) certified acc. ISO/IEC 17025 Non destructive testing: <ul style="list-style-type: none"> 100% PT of knuckle area in and outside | | | | |
| Other information: | QTR rev.No.1: The renewal and updating of a previous MDS 53 Rev.5. MOM and conformity statement for laboratory as pr ISO17782 | | | | |
| Qualification expires: | August 2023 | | | | |
| Tested and Qualified Thickness and Weight | | | | | |
| Products and manufacturing process(es): | Test record No. | Tested thickness (mm) | Qualified thickness (mm) | Test piece weight (kg) | Qualified weight (kg) |
| B1-2 | 1502261003 | 20 | 25 | 308 | . |
| | | | | | |
| | | | | | |
| Qualification/Acceptance signatures | | | | | |
| Manufacturer: ANTONIUS | Prepared by / Date: J.P.T. Camp Senior Quality Engineer | | Checked by / Date: Maurice Salden Welding Engineer / QAM | | |
| <p>The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials. This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-650.</p> | | | | | |
| Qualified/Accepted by (company name/address): | | | Signature/Date: 28/10/2018 | | |
|  AkerSolutions™ Aker Engineering & Technology AS Reg.nr. 879 817 552 | | |  | | |