

|  |  |                            |   |                             |                            |
|--|--|----------------------------|---|-----------------------------|----------------------------|
|   | <b>Qualification Test Record (QTR)</b><br><b>NORSOK M-650</b>  |                            |   |                             | QTR. No.:2                 |
|  |  |                            |   |                             | Rev. No.:2                 |
| <b>Manufacturer name/address/ Web page:</b>  | GAINZA FORGE, S.L.<br>Barrio Agote nº7 20740 ZESTOA (Gipuzkoa) Spain<br>Tel.+34-943-147871 Fax.+34-943-147790<br><a href="http://www.gainzaforge.com">www.gainzaforge.com</a> , e-mail: <a href="mailto:gainza@gainzaforge.com">gainza@gainzaforge.com</a>                                 |                            |   |                             |                            |
| <b>Reference standard</b>  | NORSOK M-650, Edition 4  |                            |   |                             |                            |
| <b>Material designation and MDS No.:</b>   | Ferritic/Austenitic Stainless Steel Forgings Type 22Cr Duplex<br>ASTM A182 Gr. F51 UNS S31803; MDS D44, Revision 5.  |                            |   |                             |                            |
| <b>Manufacturing Summary doc. No.:</b>   | MS-F51-01  |                            |   |                             | Rev. No.:8                 |
| <b>Products and manufacturing process(es):</b>   | FORGING MADE BY OPEN DIE FORGING   |                            |   |                             |                            |
| <b>Mandatory conditions and sub-contractors:</b>   | <ul style="list-style-type: none"> <li>• Heat treatment by: Tratamientos Termicos Yurre, S.L.</li> <li>• Micrographic examination by: Azterlan (external laboratory)</li> <li>• Forgings shall be machined as close as possible to final shape prior to quality heat treatment.</li> </ul> |                            |   |                             |                            |
| <b>Other information:</b>  | Verification of heat treatment procedure report No.1/2011 Rev-1 performed on 16 <sup>th</sup> of November 2011 and N° 1/2017 perform on 5 <sup>th</sup> of May 2017  |                            |   |                             |                            |
| <b>Qualification expires:</b>  | July 2022  |                            |   |                             |                            |
| <b>Tested and qualified thickness and weight</b>   |  |                            |   |                             |                            |
| <b>Products and manufacturing process(es):</b>   | <b>Test record No.</b>   | <b>Tested thickness mm</b> | <b>Qualified thickness mm</b>   | <b>Test piece weight kg</b> | <b>Qualified weight kg</b> |
| Die forged flanges   | 2012/0383  | 200                        | 200   | 1870                        | All                        |
|  |  |                            |   |                             |                            |
| <b>Qualification/acceptance signatures</b>   |  |                            |   |                             |                            |
| <b>Manufacturer:</b>   | <b>Prepared by/Date:</b><br><br>Igor Albizu 10 <sup>th</sup> of October 2017  |                            | <b>Checked by/Date:</b><br><br>Pedro Bravo 10 <sup>th</sup> of October 2017                          |                             |                            |
| 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.<br><i>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.</i> |  |                            |   |                             |                            |
| <b>Qualified/Accepted by (company name /address):</b>  |  |                            | <b>Signature/Date:</b><br><br>10 <sup>th</sup> of October 2017<br><br>Member of NORSOK M-650 committee |                             |                            |