

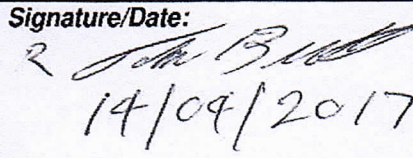


|  |   |  |  |                             |                            |  |
|--|---|--|--|-----------------------------|----------------------------|--|
| <br><b>FORGE FEDRIGA</b><br><small>ADVANCED FORGING SOLUTIONS</small>   | <b>Qualification Test Record (QTR)</b>  |  |  |                             | QTR. No.:<br>QTR-F55003    |  |
|  | <b>NORSOK M-650</b>   |  |  |                             | Rev. No.: 1                |  |
| <b>Manufacturer name/address/ Web page:</b>  | FORGE FEDRIGA s.r.l.<br>Via dell'Artigianato, 13<br>25040 Cividate Camuno (BS) – Italy<br><a href="http://www.forgefedriga.com">www.forgefedriga.com</a>  |  |  |                             |                            |  |
| <b>Reference standard</b>  | NORSOK Standard M-650 Edition 4, September 2011   |  |  |                             |                            |  |
| <b>Material designation and MDS No.:</b>   | ASTM A479M UNS S32760<br>MDS D57 Rev.5  |  |  |                             |                            |  |
| <b>Manufacturing Summary doc. No.:</b>   | MS-F55003   |  |  |                             | Rev. No.: 0                |  |
| <b>Products and manufacturing process(es):</b>   | OPEN DIE FORGINGS:<br>- Forged bars   |  |  |                             |                            |  |
| <b>Mandatory conditions and sub-contractors:</b>   | - Heat treatment shall be performed in Forge Fedriga using the furnace n° F7  |  |  |                             |                            |  |
| <b>Other information:</b>  | <ul style="list-style-type: none"> <li>- Verification of the heat treatment procedure was performed on January 2017;</li> <li>- N.D.T. operations: ONLY IF AGREED IN ORDER;</li> <li>- PICKLING operation: ONLY IF AGREED IN ORDER;</li> <li>- The impacts at mid-section of bar (½T) are transverse, not tangential to primary direction of working and therefore for information only.</li> </ul> |  |  |                             |                            |  |
| <b>Qualification expires:</b>  | 5 years after the date below indicated<br>(Qualification expire date: 03/03/2022)   |  |  |                             |                            |  |
| <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> |  |
| Forged shafts  | Drawing n°<br>16-0730-02A-PP Rev.1  | 255  | 0 - 255  | 600                         | 0 - 5000                   |  |
| <b>Qualification/acceptance signatures</b>   |   |  |  |                             |                            |  |
| <b>Manufacturer:</b>   | <b>Prepared by/Date:</b>  | <b>Checked by/Date:</b>  |  |                             |                            |  |
| FORGE FEDRIGA s.r.l.   | Gazzoli Marco (03/03/2017)  | <br>Delvecchio Domenico (03/03/2017)<br>DOMENICO DELVECCHIO<br>Technical Manager |  |                             |                            |  |
| <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.<br/>         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> |   |  |  |                             |                            |  |
| <b>Qualified/Accepted by</b> (company name /address):  |   |  | <b>Signature/Date:</b>   |                             |                            |  |
| SULZER PUMPS (UK) Ltd<br>Manor Mill Lane<br>Leeds - West Yorkshire<br>LS11 8BR - United Kingdom<br><a href="http://www.sulzer.com">www.sulzer.com</a>  |   |  | <br>14/09/2017 |                             |                            |  |