



| | | | | | |
|---|--|-----------------------------|---|------------------------------|--------------------------------|
|  | QTR Qualification Test Record NORSOK M-650 | | | | QTR. No.: 001/M630r5R14/F44 |
| | | | | | Rev. No.: 0 |
| Manufacturer name/address/ Web page: | Wilhelm Maass GmbH, Zache Ernestine 18, DE - 45141 Essen, Germany http://www.wmaass.de | | | | |
| Reference standard | Norsok M-650 Edition 4 | | | | |
| Material designation and MDS No.: | ASTM A182 Grade F44 MDS R14 Rev. 4 | | | | |
| Manufacturing summary doc. No.: | WM_MS_OP_01_Manufacturing Summary_F44 | | | | Rev. No.: 2 |
| Products and manufacturing process(es): | <u>Products:</u> Weld Neck Flanges <u>Process:</u> Closed die forgings | | | | |
| Mandatory conditions and sub- contractors: | <u>Test laboratory:</u> SGS Gottfeld Herne, Baukauer Str. 98, DE - 44653 Herne Montage-Gesellschaft Gövert mbH, Gerlingstr. 62 - 45139 Essen | | | | |
| Other information: | Sacrificial product shall be used as test sample for production testing. | | | | |
| 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) |
| Closed die forgings | 8087 | 87 | 87 | 88 | 196 |
| | | | | | |
| | | | | | |
| | | | | | |
| Qualification/Acceptance signatures | | | | | |
|  | Prepared by/Date: | | Checked by/Date: | | |
| | Jochen Klingenburg / 06.12.2011 | | Jörg Delveaux / 06.12.2011 | | |
| 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. | | | | | |
| Qualified/Accepted by (company name/address): .VECTOR | | | Signature/Date: 15/12-2011 Oke Farctad OLA FARCTAD MEMBER OF M-650 COMMITTEE | | |