Form 1-2 ver.2409

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Application for Approval of Manufacturing Process**  **of Corrosion Resistant Steel for Cargo Oil Tanks** | | | | | | | | | |  |
|  |  |
|  | To: NIPPON KAIJI KYOKAI | | |  | |  | Date: | | |  |  |
|  |  | | Branch | | | | Ref. No.: | | |  |  |
|  |  | |  | | | |  | | |  |  |
|  | Name of applicant: | |  | | | | | | | |  |
|  | Person in charge: | |  | | | | | | | |  |
|  |  | | Tel: | | | | |  | Fax: | |  |
|  |  | | E-mail: | | | | | | | |  |
|  |  | |  | | | | | | | |  |
|  | We hereby request | | | | | | | | | |  |
|  | approval　renewal approval　change in the approved content 　revocation of approval | | | | | | | | | |  |
|  | of the manufacturing process of corrosion resistant steel for cargo oil tanks in accordance with 1.2, Part K of the Rules for the Survey and Construction of Steel Ships and Chapter 1, Part 1 of Guidance for The Approval and Type Approval of Materials and Equipment for Marine Use. | | | | | | | | | |  |
|  |  | | | | | | | | | |  |
|  | 1. Name of works: |  | | |  | | | | | |  |
|  | 2. Address of works: |  | | |  | | | | | |  |
|  | 3. Brand name: | | | |  | | | | | |  |
|  | 4. Kind of products: | | | | Plates Flat bars　Rolled Steel bars　Shapes  Others (　　　　　　　　　　　　　　　　　　　　　 　 )  *(In the case where the applicants apply for approval of rolled steel bars or shapes, the dimension should be stated in the below “Note”)* | | | | | |  |
|  | 5. Applicable areas: | | | | *(The intended applicable areas should be selected from Table 1 of the reverse side)* | | | | | |  |
|  | 6. Material grades: | | | | *(The intended material grades should be stated in Table 1 of the reverse side)* | | | | | |  |
|  | 7. Through thickness properties: | | | | N.A. 　Z25　 Z35 | | | | | |  |
|  | 8. Deoxidation practice: | | | | Killed　Fine-grained killed　Others (　　　　　　 　　　) | | | | | |  |
|  | 9. Grain refining elements: | | | |  | | | | | |  |
|  | 10. Control range of chemical compositions: | | | | *(The intended range of chemical compositions should be stated in Table 2 of the reverse side)* | | | | | |  |
|  | 11. Condition of supply: | | | | AR　CR　N　TMCP(TMR)　TMCP(AcC)  QT　Others ( ) | | | | | |  |
|  | 12. Max. dimension for approval: | | | |  | | | | | |  |
|  | 13. Steel making process: | | | | Basic oxygen furnace　Electric arc furnace  Others (　　　　　　　　　　　　　　　　　 ) | | | | | |  |
|  | 14. Steel casting process: | | | | Ingot casting　Continuous casting | | | | | |  |
|  | 15. Supplier of semi-finished products: | | | | Own company　Other company  Name of other company: | | | | | |  |
|  | 16. Welding consumables: | | | | *(The intended welding consumables should be stated in Table 3 of the reverse side)* | | | | | |  |
|  | 17. Miscellaneous: | | | |  | | | | | |  |
|  |  | | | |  | | | | | |  |
|  | 18. Approval No. / Certificate No.:  (In case of Renewal / Change / Revocation) | | | |  | | | | | |  |
|  | Note: | | | |  | | | | | |  |
|  |  | | | | | | | | | |  |
|  |  | | | | | | | | | |  |

**Table 1:　Applicable areas / Material grades**

|  |  |
| --- | --- |
| Applicable areas | Material grades |
| Upper decks (-RCU) |  |
| Inner bottom plating (-RCB) |  |
| Both Upper decks and inner bottom plating (-RCW) |  |

**Table 2:　Control range of chemical compositions (％)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | C | Si | Mn | P | S | Cu | Cr | Ni | Mo | Al | Nb | V | Ti | N |  |  |
| Min. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Max. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

*Note 1): Additive elements for corrosion resistance should be stated in lower column of additive elements for improving corrosion resistance.*

**Table 3:　Brand name / Name of works / Approval No. of welding consumables**

|  |  |  |
| --- | --- | --- |
| Brand name | Name of works | Approval No. |
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|  |  |  |
|  |  |  |
|  |  |  |
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