Form 1-5 ver.2409

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|  | **Application for Approval of Manufacturing Process of Steel Pipes** | | | | | | | |  |
|  |  |
|  | 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 steel pipes in accordance with 1.2, Part K of the Rules for the Survey and Construction of Steel Ships and Chapter 2, 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. Kind of products: | | | *(The intended products should be selected from Table 1 of the reverse side)* | | | | |  |
|  | 4. Material classification: | | | *(The intended Material classification should be stated in Table 1 of the reverse side)* | | | | |  |
|  |  | | |  | | | | |  |
|  | 5. Dimension range for approval: | | | Outside diameter of pipes: | | | | |  |
| Thickness of pipes: | | | | |
|  | 6. Method of manufacturing: | | | *(The intended method of manufacturing should be selected from Table 2 of the reverse side)* | | | | |  |
|  | 7. Welding method: | | | *(The intended welding method should be selected from Table 2 of the reverse side)* | | | | |  |
|  | 8. Finished/Working process: | | | *(The intended finished/working process should be selected from Table 2 of the reverse side)* | | | | |  |
|  | 9. Condition of supply: | | | *(The intended condition of supply should be selected from Table 1 of the reverse side)* | | | | |  |
|  | 10. Supplier of semi-finished products: | | | Own company　Other company  Name of other company: | | | | |  |
|  | 11.Miscellaneous: | | |  | | | | |  |
|  |  | | |  | | | | |  |
|  | 12.Approval No. / Certificate No.:  (In case of Renewal / Change / Revocation) | | |  | | | | |  |
|  | Note: | | |  | | | | |  |
|  |  | | | | | | | |  |
|  |  | | | | | | | |  |
|  |  | | | | | | | |  |

**Table 1:　Kind of products / Material classification / Condition of supply**

|  |  |  |
| --- | --- | --- |
| Kind of products | Material classification  (Example of Material grades) | Condition of supply |
| Steel tube for boiler and heat exchangers  (4.1, Chapter 3, Part K of NK Rules)  (Steel pipes  Semi-finished products) | Carbon Steel( )  Molybdenum Steel( )  Chromium Molybdenum Steel( ) | As manufactured  Low temperature annealing  Isothermal annealing  Full annealing　Normalizing  Normalizing followed by tempering  Normalizing followed by tempering at 650℃ and over |
| Steel pipes for pressure Piping  (4.2, Chapter 3, Part K of NK Rules)  (Steel pipes  Semi-finished products) | Carbon Steel( )  Molybdenum Steel( )  Chromium Molybdenum Steel( ) | As manufactured　Annealing  Low temperature annealing  Isothermal annealing  Full annealing　Normalizing  Normalizing followed by tempering  Normalizing followed by tempering at 650℃ and over |
| Stainless steel pipe  (4.3, Chapter 3, Part K of NK Rules)  (Steel pipes  Semi-finished products) | Austenitic stainless steel ( )  Austenitic Ferritic stainless steel ( )  Austenitic stainless steel ( ) | Solid solution treatment |
| Headers  (4.4, Chapter 3, Part K of NK Rules)  (Steel pipes  Semi-finished products) | Carbon Steel( )  Molybdenum Steel( )  Chromium Molybdenum Steel( ) | Annealing  Normalizing |
| Steel pipes for low temperature service  (4.5, Chapter 3, Part K of NK Rules)  (Steel pipes  Semi-finished products) | Carbon Steel( )  Nickel Steel( ) | Normalizing  Normalizing followed by tempering  Double normalizing followed by tempering  Quenching and Tempering |
| Others |  |  |

**Table 2:** **Method of manufacturing / Finished/Working process / Welding method**

|  |  |  |
| --- | --- | --- |
| Method of manufacturing | Finished/working process | Welding method |
| Seamless | Hot finished  Cold finished  Others（　　　 　　　　　　　） | N.A. |
| Welded | Hot working  Cold working  Others（　　　　　　　　　　　） | Electric-resistance welded  Automatic arc welded  Laser beam welded  Others（　　　　　　　　　　　　　） |