



Approval No. ST117RO

Certificate No. TA231811E

## APPROVAL OF MANUFACTURING PROCESS

*This is to certify that*

**Shanxi Taigang Stainless Steel Co., Ltd.**

No.2 Jiancaoping Street, Taiyuan, Shanxi, China

*has been approved for the manufacturing process of undermentioned materials by the NIPPON KAIJI KYOKAI in accordance with the requirements of 1.2, Part K of the Society's "Rules for the Survey and Construction of Steel Ships" and Chapter 1, Part 1 of the Society's "Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use".*

**MATERIALS : Rolled Steels for Hull**

The details of the relevant approval conditions are given in the PARTICULARS OF APPROVAL listed in the reverse of this certificate.

The products for the ships classed with the Society are to be manufactured, tested and inspected in compliance with the Rules.

This Certificate is valid from 22 December 2023 until 20 January 2025.

Issued at Tokyo on 25 December 2023.

  
Y. Takao  
General Manager  
Material and Equipment Department





No. : TA2025E

Date : 8 January 2020

## PARTICULAR OF APPROVAL

### Approval Conditions for Manufacturing Process of Rolled Steels for Hull

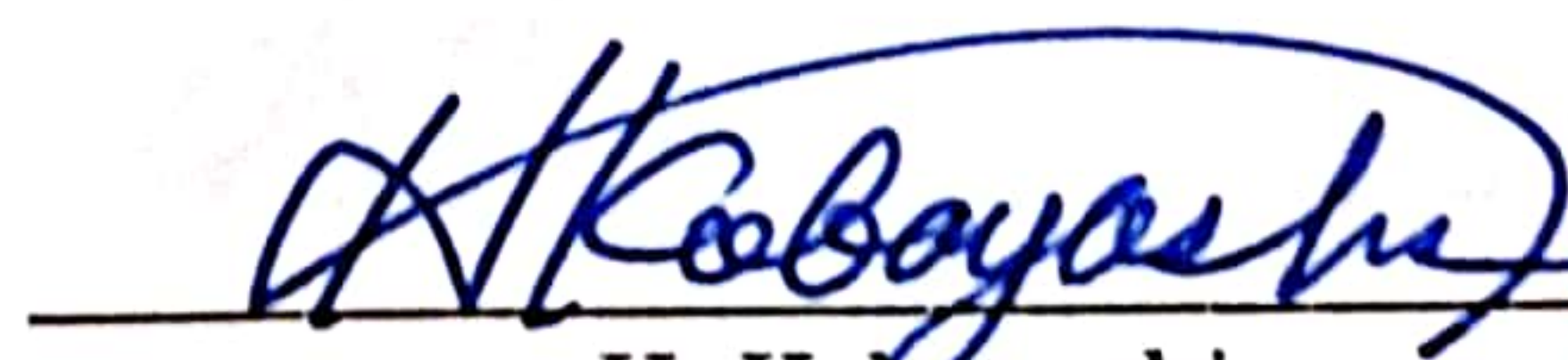
1. Manufacturer : Shanxi Taigang Stainless Steel Co., Ltd.
2. Kind of Product : Plates from Steel Coils
3. Grade : KA, KB, KD, KA32, KD32, KA36 and KD36
4. Condition of supply : CR
5. Heat Treatment Process conducted by the above manufacturer :  
Not Applicable
6. Max. Thickness : 24mm
7. Remarks :

(1) In the case where Shanxi Taigang Stainless Steel Co., Ltd. manufactures steel plates from steel coils manufactured by other manufacturer, test certificates of the steel plates are to comply with the following requirements in accordance with 3.1.1, Chapter 3, Part K of the NK Rules and K3.1.1, K3, Part K of the NK Survey Guidance:

- Test certificates of the steel plates are to include the description that the steel plates were uncoiled and cut from the steel coils supplied by a manufacturer approved by NIPPON KAIJI KYOKAI.
- Test certificates of the steel coils are to be attached to the test certificates of the steel plates uncoiled and cut from the steel coils.

(2) Uncoiling process including Leveling, Cutting, Piling, etc., of hot coils is to be conducted by Shanxi Taigang Stainless Steel Co., Ltd., Hot Strip Mill.

(3) Testing, inspecting and stamping of steel plates are to be carried out in the Shanxi Taigang Stainless Steel Co., Ltd., Hot Strip Mill after uncoiling.



H. Kobayashi

General Manager

Material and Equipment Department





No. : TA2026E

Date : 8 January 2020

## PARTICULAR OF APPROVAL

### Approval Conditions for Manufacturing Process of Rolled Steels for Hull

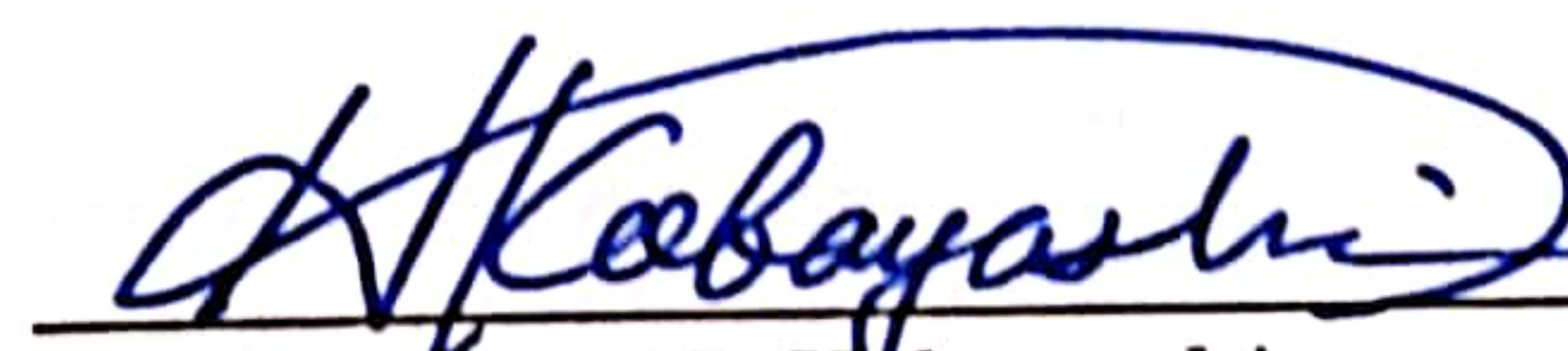
1. Manufacturer : Shanxi Taigang Stainless Steel Co., Ltd.
2. Kind of Product : Steel Coils
3. Grade : KA, KB, KD, KA32, KD32, KA36 and KD36
4. Deoxidation Practice : Fine-grain Killed
5. Grain Refining Elements : See Table
6. Max. Thickness : 24mm
7. Condition of supply : CR
8. Steel Making Process : Basic Oxygen Furnace
9. Casting Process : Continuous Casting

10. Remark :

In the case where the steel coils manufactured by Shanxi Taigang Stainless Steel Co., Ltd. are uncoiled by other manufacturer, test certificates of steel coils are to include the description that the steel coils are to be uncoiled and cut by a manufacturer approved by NIPPON KAIJI KYOKAI in terms of the uncoiling and cutting processes in accordance with 3.1.1, Chapter 3, Part K of the NK Rules and K3.1.1, K3, Part K of the NK Survey Guidance.

Table Part of Approval Conditions

| Grade                    | Grain Refining Elements |
|--------------------------|-------------------------|
| KA, KB, KD               | Al                      |
| KA32, KD32<br>KA36, KD36 | Al-Nb-V                 |



H. Kobayashi

General Manager

Material and Equipment Department

