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NIPPON KAIJI KYOKAI



Certificate No. NKR-186ROL

***APPROVAL OF MANUFACTURING PROCESS***

*This is to certify that*

**TOKYO KOHTETSU Co., LTD. OYAMA Works**  
**Oyama, Tochigi**  
**Japan**

*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 approval conditions to which this approval applies are given in the PARTICULARS OF APPROVAL listed in the reverse of this certificate.

On this effects, 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 until the 14th day of February, 2013.  
Issued at Tokyo on the 15th day of February, 2008.

Renewal Date : 15th February 2008

  
T. Tokishige  
General Manager  
Material and Equipment Department



**ClassNK**

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**ClassNK** NIPPON KAIJI KYOKAI  
4-7, KIOI-CHO, CHIYODA-KU,  
TOKYO 102-8567, JAPAN.

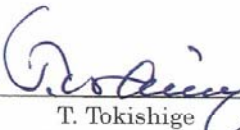
No. : 08EW785ROL

Date : 15 February 2008

## PARTICULARS OF APPROVAL

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

1. Manufacturer : TOKYO KOHTETSU Co., LTD. OYAMA Works
2. Kind of Product : Steel Shapes
3. Grade : KA
4. Supply Conditions
  - (1) Deoxidation Practice : Killed
  - (2) System of Constituents : Si-Mn
  - (3) Max. Thickness : 13 mm
  - (4) Heat Treatment : As Rolled
5. Steel Making Process : Electric Arc Furnace
6. Casting Process : Continuous Casting.

  
T. Tokishige  
General Manager  
Material and Equipment Department

