



MARINE DIVISION

Certificate number: 10345/C0 BV

File number: MAT 26799/01

Product code: 9006I

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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APPROVAL CERTIFICATE for MATERIALS

This certificate is issued to

2500 Medium Plate Mill of Angang Steel Company Ltd.

Anshan - CHINA

for the type of product

NORMAL STRENGTH HULL STEEL ROLLED PRODUCTS

Hot rolled plates in steel grades A, B and D

Requirements:

Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units

This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 23 Sep 2016

For BUREAU VERITAS,

At BV SHANGHAI, on 23 Sep 2011,

Jennifer Zhang



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

Hot rolled plates.

Steel grade	Deoxydation practice & Refining	Delivery conditions
A	Killed	As Rolled (AR) with thickness range 6mm to 40mm
B	Killed	As Rolled (AR) with thickness range 6mm to 40mm
D	Killed and Al treated	Controlled Rolling (CR) with thickness range 6mm to 40mm

Steel making by Basic Oxygen Converter LD and continuous casting at N°2 steel making plant of Anshan Iron and Steel Co. Plates made by hot rolling.

2. DOCUMENTS AND DRAWINGS :

Nil.

3. TEST REPORTS :

"Test report" issued by Angang New Iron & Steel Co. Ltd and dated February 2004.

"Test Report of Approval Ship Plates - Macrostructure - Structure - S-Print and Test report for the weldability of AH36" issued by Medium Plate Plant of Angang New Iron & Steel Company and dated June 2000.

4. APPLICATION / LIMITATION :

As per Bureau Veritas Rules.

5. PRODUCTION SURVEY REQUIREMENTS :

The hot rolled plates are to be manufactured, examined and tested by 2500 Medium Plate Mill of Angang Steel Compagny Ltd. in accordance with the type described in this certificate and Bureau Veritas Rules for the Classification of Steel Ships.

Arrangements shall be made for a Society's Surveyor to attend the relevant tests and examinations at manufacturer's works or to perform the relevant audits when an alternative survey scheme (BV Mode I) has been agreed. Relevant Bureau Veritas certificate will be issued after satisfactory completion of the procedure.

6. MARKING OF PRODUCT :

As per Bureau Veritas Rules.

7. OTHERS :

This certificate cancels and replaces approval certificates numbers 10345/A1, 10345/A2 and 10345/B0 BV.

*** END OF CERTIFICATE ***

