

21 December, 2004

Laiwu Steel Group, Zibo Anchor Chain Co Ltd.
Heiwang, Zichuan District,
Zibo City
Shandong Province
PRC

Refer to: SLC/KCH

File Ref: S-6

Subject: ABS Grade 3a Anchor Chain and Accessories Extension Approval

Gentlemen:

A survey of Laiwu Steel Group, Zibo Anchor Chain Co Ltd, Zibo City, Shandong Province, People's Republic of China, was conducted by an exclusive Surveyor to the American Bureau of Shipping on the 20th September 2004 and subsequent dates concerning the approval of Zibo Anchor Chain Co Ltd. to produce Grade 3a anchor chain and accessories.

Results of the survey indicated that your factory is considered approved by ABS to manufacture anchor chain and accessories as outlined below provided the Rules are adhered to in all respects, production and inspection are to the satisfaction of the attending surveyor.

Approval Status

Product	: Grade 3a Anchor chain
Manufacturing process	: Flash butt-welded
Type	: Common link
Heat Treatment	: Quenched and tempered
Maximum Nominal Diameter	: For 122mm Anchor Chain
Product	: Grade 3a Anchor chain accessories
Manufacturing process	: Forged and/or flash butt welded
Type	: Swivel, Shackles(kenter and end), End Link
Heat Treatment	: Quenched and tempered
Maximum Nominal Diameter	: For 122mm Anchor Chain
Marking	: AB/3a
Source of Grade 3a steel bar stock	: Laiwu Steel Group Ltd

Very truly yours,

S.L.Chiu

Deputy General Manager, ABS China

By

K.C Ho

Principal Surveyor



cc: ABS Americas - Houston, MMPT
cc: ABS Pacific - Singapore, Assistant Chief Surveyor
cc: ABS Pacific - Shanghai
cc: ABS Pacific - Qingdao station

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MARINE DIVISION

Certificate number: 12315/B0 BV

File number: MAT 50090/01

Product code: 6434I

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

www.veristar.com

APPROVAL CERTIFICATE for MATERIALS

This certificate is issued to

ZIBO ANCHOR CHAIN Co. Ltd., LAIWU STEEL GROUP
ZIBO - CHINA

for the type of product

CHAIN CABLE

Flash butt welded studlink anchor chain cables for ships of grade Q2a or Q3a and associated accessories

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: 19 Nov 2014

For BUREAU VERITAS,

At BV SHANGHAI, on 19 Nov 2009,

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.



DET NORSKE VERITAS

APPROVAL OF MANUFACTURER

CERTIFICATE

CERTIFICATE No. AMM-4017

This is to certify that

Laiwu Steel Group Zibo, Anchor Chain Co. Ltd.
ZIBO CITY, SHANDONG PROVINCE 255167, CHINA

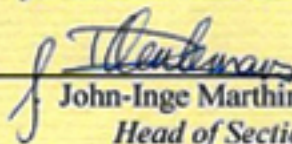
is an approved manufacturer of
CHAIN CABLES

in accordance with
Det Norske Veritas' Rules for Classification Pt. 3

and the following particulars:

Product	Stud link anchor chain
Grades	NV K1, NV K2 and NV K3
Delivery condition	Normalised for NV K1 and NV K2, Quenched and tempered for NV K3
Max. diameter	122 mm
Remarks	Including forged accessories


Place and date
Høvik, 2009-03-10
for DET NORSKE VERITAS AS


John-Inge Marthinussen
Head of Section



Local Office
DNV Qingdao

This Certificate is valid until
2012-12-31


Sastry Yagnanna Kandukuri
Surveyor

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Certificate No : MD00/2135/0006/9a

Appendix 1

LAIWU STEEL ZIBO ANCHOR CHAIN CO., LTD.

Heiwang Town

Zichuan District

Zibo City

Shandong Province

China, People's Republic of

Product	Grades	mm nominal diameter Maximum
Ship stud link flash butt welded	U1, U2(a), U3(a)	122.00
Grade U2(a) Normalized		
Grade U3(a) Quenched and Tempered		

Valid Until : 23 August 2012
Date of Issue : 19 November 2009

R Marsh

Metallurgical Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register Group

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Laiwu Steel Group,
Zibo Anchor Chain Co., Ltd.

No.: 10EW029L3
Date: 4 January 2010

Heiwang Town, Zichuan District,
Zibo-city, Shandong Province, China

Dear Sirs,

Approval for the Manufacturing Process of Chains

We, Nippon Kaiji Kyokai, have recognized the manufacturing process of Chain links and Chain Accessories being approved in accordance with the requirement in 3.1.4, Part L of the Rules under the following condition:

1. Manufacturer : Laiwu Steel Group, Zibo Anchor Chain Co., Ltd.
2. Products : Studless Chain Link,
Grade 2 and 3 Chain Link and
Grade 2 and 3 Chain Accessories
3. Supply Conditions : See the table below

Kind	Products	Material	Manufacturing Process	Heat Treatment	Max. Nominal Diameter
Studless	Common Link, Enlarged Link and End Link	KSBC31	Flush butt welded	As Weld or Normalized	50mm
Grade 2	Common Link, Enlarged Link and End Link	KSBC50	Flush butt welded	Normalized	107mm
	Swivel, Kenter Shackle, Anchor Shackle and Joining Shackle	KSFC50	Forging	Normalized	107mm
Grade 3	Common Link, Enlarged Link and End Link	KSBC70	Flush butt welded	Quenched and tempered	122mm
	Swivel, Kenter Shackle, Anchor Shackle and Joining Shackle	KSFC70	Forging	Quenched and tempered	122mm

(to be cont.)