



Certificate Number 22-5474725
Effective Date 18-November-2022
Expiration Date 19-November-2027
ABS Port Office Tianjin, P.R.China
Website www.jn-jien.com

CERTIFICATE OF

Manufacturing Assessment

This is to certify that the Undersigned evaluated the manufacturing quality procedures of

GN Ocean Engineering Equipment (Tianjin) Co., Ltd.

located at

#1901 RM, #1111, Xingang Road, Tianjin Pilot Free Trade Zone (CBD), China

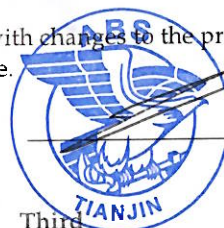
The quality monitoring systems during production were verified to reflect the specific surveys, required by the ABS Rules, Guides, the associated Specifications and Standards for the manufacture of

Steel Wire Rope Ends

This manufacturer presented a sample or specimen of the product, representative of the "type" approved for the purpose of verifying that the "type" has been manufactured in conformance with the Manufacturer's Product Design Assessment(s).

This Certificate is manufacturer and location specific and is subject to annual audits. Consult the ABS Type Approval website to confirm the continued validity of this certificate and the status of products.

The ABS Office issuing the certificate is to be kept updated with changes to the production methods, quality control systems, products and models and any changes made.



Chen Yao, Surveyor

Annual Endorsement

First

Second

Third

Fourth

Surveyor

WO and Date

NOTE: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



18-Nov-2022

GN Ocean Engineering Equipment (Tianjin) Co., Ltd.

#1901 RM, #1111, Xingang Road, Tianjin Pilot Free Trade Zone (CBD), China

86-22-25711858

www.jn-jien.com

Attention: whom it is concerned

This is in reference to your request of Manufacturing Assessment Audit on 18-Nov-2022. The review of your Quality Assurance System submittals and a Manufacturing Assessment audit of your facility have been satisfactorily completed.

We are therefore pleased to issue a Certificate of Manufacturing Assessment No. 22-5474725, valid until 19-Nov-2027. The product category of the products that have valid Certificate of Product Design Assessment (PDA) and PDA-Duplicates for will be shown as "**Type Approved**." An electronic copy of Confirmation of Product Type Approval will be downloadable from the ABS Type Approval Database.

A Confirmation of Product Type Approval represents that the product design meets the ABS Rules or Guides, statutory, industrial or manufacturer's standards described in the PDA and that the manufacturer has established a systematic quality monitoring system sufficient to show its capacity to consistently manufacture a product which meets the designated standards.

The MA Certificate will remain valid for five years, **subject to annual audits or surveillance audits and no changes to the scope and conditions of approval**. The audit window of MA audits is as follows:

- MA annual audits – 90 days before or after the anniversary date
- MA renewal audits – 90 days before or after the expiry date

When an audit is more than three months overdue, the MA will be automatically archived and product category will be reverted to "Design Assessed."

If a new MA Certificate is issued with the same expiry date due to product/company name/company address changes during the original MA Certificate's validity, the anniversary date of the original MA is to be used as reference.

Each MA Certificate is location specific and non-transferrable.

Your company is eligible to use the ABS "Type Approved Product" logo for marketing purpose. The artwork may be obtained by contacting ABS Programs at absta-programs@eagle.org.



Please recognize that **Product Type Approval will not waive Unit Certification** or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. Such requirements can be found in the "Service Restriction" section in each PDA Certificate. Should ABS Unit Certification is required, please contact the responsible ABS Survey Office to witness any required surveys and tests.

We also remind you of the implementation of MEPC 269(68) 2015 Guidelines for the Development of the Inventory of Hazardous Materials which requires reporting of hazardous materials and requires a Material Declaration in accordance with section 6.2 and a Suppliers Declaration of Conformity in accordance with 7.2.

If at any time you wish to change the information published in the ABS Type Approval Database, please email ABS Programs at absta-programs@eagle.org

The Manufacturer shall notify ABS in writing of any product non-conformity resulting in the issuance of a Safety/Service Alert and Bulletin, including root causes and impact to the industry or vessels.

Unless the change is submitted to ABS for a new evaluation and audit, any of the following events will cause immediate suspension of the Certificate of PDA and/or MA.

- a) Redesign of the product or products covered by a Certificate of PDA or PDA-DUP;
- b) Change in production methods;
- c) Change in management organization or Quality Assurance System;
- d) Change in frequency or curriculum for personnel training;
- e) Refusing access to ABS personnel for periodic or annual audits;
- f) Failure to correct a non-compliance and deficiencies during an audit or in service;
- g) Failure to inform ABS of the latest Safety/Service Alert and/or Bulletin and prove the corrective measures are taken;
- h) Where willful misrepresentations or omissions are ascertained;
- i) Failure to pay ABS fees.

We look forward to working with you and encourage you to contact the undersigned for any questions of the ABS Type Approval Program.

Sincerely Yours

Chen Yao
ABS Tianjin Port

