Certificate No: LR2422893TA
Issue Date: 13/03/2024
Expiry Date: 12/03/2029

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**CIXI HIGH NEW SEALING MATERIAL CO., LTD**
Address	No. 699 North Road of Cidong Binhai District, Longshan Town, Cixi, Ningbo, Zhejiang, 315338, China
Type	Gasket
Description	Graphite Spiral Wound gasket and PTFE Spiral Wound Gasket
Trade Name	CXG-11
Application	LNG Ship Cryogenic Pipeline System
Specified Standard	Lloyd's Register Rules and Regulations for the Classification of Ships (July 2023)

Ratings

Nominal Size (mm)	:	DN80
Nominal Pressure (bar)	:	PN20
Thickness (mm)	:	4.5
Temperature Range (°C)	:	-196 to Ambient (32)

Additional Tests

The following tests are carried out on representative samples of DN80 in accordance with BS 6364:1984 with satisfactory results:

1) Hydrostatic testing
2) Cryogenic test

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Sam Wang

Engineering Piping - Senior Specialist to
Lloyd's Register EMEA
A member of the Lloyd's Register group

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3) Closure test (low temperature test return to room temperature)

Other Conditions

1. The products are to be installed and maintained in accordance with the manufacturer's instructions.
2. Type Approval does not eliminate the need for normal inspection survey procedures required by the Rules and Regulations.
3. If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.
4. (In case of applications other than Marine) The application of this Type Approval Certificate will be limited to the relevant scope of the Specified standards and acceptance thereof by the local authorities.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document RTS-TA-PRJ11100421331-2/SMW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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