Certificate No: LR2014156TA
Issue Date: 27/08/2020
Expiry Date: 26/08/2025

# 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** | **IHI Rotating Machinery Engineering Co., Ltd.** |
| **Address** | Ltd. 3934 Inatomi Tatsuno-machi, Kamiina-gun, Tokyo, 399-0492, Japan |
| **Place of Production** | IHI Rotating Machinery Engineering Co., Ltd.<br>Ltd. 3934 Inatomi Tatsuno-machi, Kamiina-gun, Tokyo, 399-0492, Japan |
| **Type** | Exhaust Gas Systems |
| **Description** | Exhaust gas turbocharger (Category A) |
| **Trade Name** | AT23 |
| **Application** | Exhaust gas turbocharger on diesel engines for marine services |
| **Specified Standard** | Part 5, Chapter 2 of Lloyd's Register's Rules and Regulations for the Classification of Ships (July 2020)<br>IACS UR M73 (Corri.1 June 2016) |
| **Ratings** | See Appendix |
| **Other Conditions** | Where the turbochargers are intended to be mounted on diesel engines installed in a ship classed with Lloyd's Register, the matters raised in paragraph 1 of LR Yokohama Technical Support Office General Design Appraisal Document as effective at the time of manufacture are to be satisfied. |

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**Satoshi Ueno**

Surveyor to Lloyd's Register Group Ltd
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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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 Group Ltd of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document No. LR2014156TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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