Certificate No: LR26471764TA
Issue Date: 01/06/2026
Expiry Date: 31/05/2031

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	**Kompressorenbau Bannewitz GmbH**
Address	Windbergstrasse 45, Bannewitz, 01728, Germany
Type	Exhaust Gas Systems
Description	Exhaust gas turbocharger with radial turbine and two plain bearings. The lubricating oil system of the engine supplies the plain bearings with lubricating oil.
Trade Name	HSR4 and HSR6
Application	As exhaust gas turbocharger for diesel engines for marine services.
Specified Standard	Lloyd's Register's Rules and Regulations for the Classification of Ships, 2026
Ratings	HSR4 Max. speed: 41800 rpm Max. temperature: 650°C HSR6 Max. speed: 29000 rpm Max. temperature: 650°C

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Jenny Wilson

Engineering - Machinery Principal Specialist
to Lloyd's Register EMEA
A member of the Lloyd's Register group

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

Previous Version: LR21211327TA

The Design Appraisal Document HTS/ENS 34493-16, Issue No. 3 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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