Certificate No: LR2014811TA
Issue Date: 14/09/2020
Expiry Date: 10/08/2025

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	**Bühler Technologies GmbH**
Address	Harkortstrasse 29, Ratingen, 40880, Germany
Type	Gas analyser units
Description	Gas Sampling and Conditioning System comprising the following components: Sample Gas Probe GAS222.15-MA Sample Conditioning Unit SCS-EMA+ Sample Gas Cooling Unit CU-EMA+ Gas Analyzer for SO2 and CO2
Trade Name	SYS-EMA+
Application	Marine, offshore and industrial applications for use in environmental categories ENV1 and ENV2 as defined in Lloyd's Register Type Approval System, Test Specification Number 1 - March 2019.
Specified Standard	Manufacturer's specification IACS unified requirements E10 (Rev.7 Oct 2018)
Other Conditions	Documentary evidence of compliance of the system SYS-EMA+ with MEPC.259(68) is to be provided on a case by case basis for each individual project. Any Gas Analyzer for SO2 and CO2 other than the one used in the tested

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Thorsten Wolff

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System but of a comparable type is to hold a valid LR Type Approval Certificate, has to undergo a functional test and is to be accepted by LR if used within the system.
The sample gas conditioning and analyzing system SYS-EMA+ is to be installed, calibrated and operated in compliance with manufacturer's instructions.

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 No. HTS/ETS 40431-20/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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