



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 | Kongsberg Maritime AS |
| Address | Bekkajordet 8a, Horten, 3194, Norway |
| Type | Shaft Power Limitation System |
| Description | EPL / ShaPoLi arrangement implemented in KM's AutoChief C20/600 which are covered by separate LR Type Approval certificates and Power limitation panel |
| Trade Name | KM EPL / KM ShaPoLi |
| Application | Marine applications for use in environmental categories ENV1 and ENV2 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – December, 2021. |
| Specified Standard | Resolution MEPC.335(76) - 2021 Guidelines on the Shaft / Engine Power Limitation System to Comply with the EEXI Requirements and Use of a Power Reserve. |
| Other Conditions | The ShaPoLi system should be accompanied by the ship specific Onboard Management Manual (OMM) which is to be verified by the Administration. The torque meter for use in ShaPoLi-arrangement is not covered by this Type Approval. A separate data recording device of an approved type is to be provided for KM AutoChief C20. |

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

Thorsten Wolff

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

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Type Approval Certificate

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 HPC2262048-23/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

