Certificate No: LR2094164TA
Issue Date: 07/12/2020
Expiry Date: 16/05/2024

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	**Siemens Industrial Turbomachinery Ltd**
Address	E S SO SGT BA BC, Teal Park, Off Whisby Road, Lincoln, LN6 7TS, United Kingdom
Place of Production	Siemens Industrial Turbomachinery Ltd E S SO SGT BA BC, Teal Park, Off Whisby Road, Lincoln, LN6 7TS, United Kingdom
Type	Gas Turbine Engines
Description	Industrial Gas Turbine
Trade Name	SGT-300-1S
Application	Power generation in combined cycle, petrochemical, pipeline, fixed and mobile offshore unit applications and marine heat and power (non direct propulsion) applications.
Specified Standard	Lloyd's Register's Rules and Regulations for the Classification of Ships; Lloyd's Register's Rules and Regulations for the Classification of Offshore Units;
Ratings	Power rating (kW): 7900 @ 14045 rpm Maximum gas supply pressure (bar): 28 Gas system design pressure (bar): 31 Liquid fuel supply pressure (bar): 100

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Karl Matthews

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

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Liquid fuel supply design pressure (bar): 140

Other Conditions

1. This Type Approval relates to the mechanical aspects of the core engine and power unit only. Control aspects, and other Classification requirements shall be subject to separate Type Approvals, or to ship specific plan appraisal when installed on vessels or offshore units Classed or intended to be Classed by Lloyd's Register.
2. This Type Approval qualifies the SGT-300-1S gas turbine only for the test conditions covered in Siemens Document No. TPS00110DW Version 2.08.02.
3. The exhaust ducting is to be effectively lagged, to the Surveyors satisfaction, to ensure that the surface temperature does not exceed 220°C.
4. The SGT-300 gas turbine is to comply with the Conditions of Approval stated in LR Machinery General Design Appraisal Document No. UKITSO/40876385/ENG-PPS Issue 0.
5. Means are to be provided for bypassing the bearings during flushing of the oil system.

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 LR2094164TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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