



Marine Design Appraisal Document

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Please quote this reference number on all future communications
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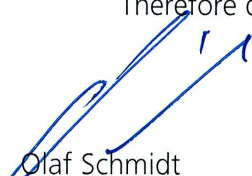
THE LLOYD'S REGISTER'S TYPE APPROVAL SYSTEM, 2002
ISSUED TO: HKS GMBH
FOR: STAINLESS STEEL EXHAUST GAS COMPENSATOR
TYPE APPROVAL CERTIFICATE NO. 03/20027 (E2)

This Marine Design Appraisal Document supersedes and cancels document number HMD 10035-03, Issue No. 1, dated 07.07.2009

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register's Type Approval System, 2002, and this Design Appraisal Document forms part of the Certificate.

COMMENTS

1. Expansion joints are to be tested by hydraulic pressure to the surveyor's satisfaction as per Part 5, Chapter 12, Section 8.1 of the Rules and Regulations for the Classification of Ships.
2. Temperature, inner pressure, movement and load cycle of the expansion joints are directly related. Therefore deviations from the approved ratings are excluded from the Design Appraisal Document.



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FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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