



CERTIFICATE NUMBER
14-MMPS-CF&PAC-636

PORT OFFICE
ABS MATERIALS HOUSTON

CERTIFICATE OF CASTING FACILITY AND PROCESS APPROVAL

This is to certify that a representative of ABS did, at the request of

**Gießerei Radeberg GmbH,
Radeberg, Germany**

attend its facilities as indicated in the ABS Augsburg port office survey report number AG2720698 dated 22 September 2014, in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing

Gray and Ductile Cast Iron Products for Marine Applications

in accordance with the ABS Approval letter, ABS Rules, designated standards and ABS approved drawings. The approval is valid subject to adherence to relevant ABS Rules and survey requirements and annual facility endorsement by an ABS representative.

ISSUE DATE 22 Sep 2014 EXPIRATION DATE 21 Sep 2019

SIGNATURE

**V. BALASUBRAMANIAM
PRINCIPAL ENGINEER,
ABS MATERIALS, HOUSTON**



FIRST ANNUAL
ENDORSEMENT

SECOND ANNUAL
ENDORSEMENT

THIRD ANNUAL
ENDORSEMENT

FOURTH ANNUAL
ENDORSEMENT

Project #: 3119573; Task #: T1259385; Office Ref #: MMPS: 8095

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, Guides, standards or other criteria of ABS as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a full description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of ABS who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.