

MATERIAL MANUFACTURE CERTIFICATE

This is to certify:

that the manufacturer

Österby Gjuteri AB **Österbybruk Uppsala Län, Sweden**

has implemented and is maintaining a certified quality assurance system which has undergone a

Specific Assessment for Materials

for applications covered by Council Directive 97/23/EC of 29 May 1997 on Pressure Equipment. The manufacturer is found to comply with PED Annex 1, section 4.3, for issue of Type 3.1 Material Certificates according to EN 10204:2004

Further details are given overleaf

Høvik, 2015-12-04
for **DNV GL**

This Certificate is valid until
2020-12-03

Marianne Spæren Marveng
Certification Manager

Hans Dyrdal Rasmussen
Technical Reviewer

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. Except for any liability caused by DNV GL's gross negligence or wilful misconduct, DNV GL's maximum cumulative liability arising out of or related to the use of or reliance on this document shall be limited to USD 300 000. The digitally signed and electronically distributed document is the original and valid certificate. Ref.: www.dnv.com/digitalsignatures

Job Id: **341.4-000494-1**
Certificate No: **PEDMC0000001**

Jurisdiction

Application of Council Directive 97/23/EC of 29 May 1997 on Pressure Equipment, adopted as regulation of 1999-06-09 no. 721 "Forskrift for Trykkpåkjent Utstyr" by the Norwegian Directorate of Civil Protection and Emergency Planning and by the Petroleum Safety Authority Norway.

Certificate history

Revision	Description	Issue Date
0	Original certificate	2009-12-04
1	Recertification Audit	2012-12-04
2	Recertification Audit 9 th of September 2015	2015-12-09

Products covered by this Certificate

The approved system covers the following products:

Product Group	Type of Material	Limitations
Castings	Carbon, carbon-manganese, alloy and stainless	Castings

Sites covered by this Certificate

Product Name	Production Site Name	Address
Castings	Österbybruk, Sweden	Martinvägen 8, 748 32, Österbybruk, Sverige

Performed Audits

DNV GL has carried out the Assessment of the Manufacturers Quality System to verify that the relevant requirements relating to the above listed product(s) have been implemented

Assessment has been carried out on the production site by DNV GL Stockholm., as described in Assessment Report date 2015-09-03.

Terms and conditions

The certificate is subject to the following terms and conditions:

- The certificate is only valid for the material types and/or manufacturing premises listed above.
- The Manufacturer shall fulfil the obligations arising out of the quality system as approved and uphold it so that it remains adequate and efficient.
- The Manufacturer shall inform the local DNV GL Office of any intended updating of the quality system and DNV GL will assess the changes and decide if the certificate remains valid.
- Periodical audits will be held, in order to verify that the Manufacturer maintains and applies the quality system. DNV GL reserves the right, on a spot basis or based on suspicion, to pay unannounced visits.

The following may render this Certificate invalid:

- Changes in the quality system.
- Periodical audits not held within the allowed time window.