



DNV

DET NORSKE VERITAS

APPROVAL OF MANUFACTURER

CERTIFICATE

CERTIFICATE NO. AMM-5473

This is to certify that

KSB Bombas Hidraulicas S.A.
Americana, SP, Brazil

is an approved manufacturer of
Steel Castings

in accordance with

Det Norske Veritas' Rules for Classification Pt. 2
Offshore Standard DNV-OS-B101

and the following particulars:

Steel types	Carbon and carbon-manganese, Martensitic stainless, Austenitic stainless, 25Cr-duplex stainless, 22Cr duplex stainless
Max. weight	1 000 kg

Place and date

Høvik, 2012-01-16

for DET NORSKE VERITAS AS

✠ Astrid Holmsen Kjesbu
Head of Section



Local Office
DNV Rio de Janeiro

This Certificate is valid until

2016-06-30

Dechun Lou
Surveyor

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.