



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. P-12601
This Certificate consists of 5 pages

This is to certify that the
BALLAST WATER MANAGEMENT SYSTEM
with type designation(s)
OPTIMARIN BALLAST SYSTEM (OBS)

Manufactured by
OPTIMARIN AS
STAVANGER, NORWAY

is found to comply with
Resolution MEPC.174(58)
Det Norske Veritas' Rules for Classification of Ships
DNV Type Approval Programme No.771.91

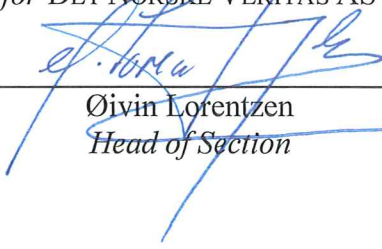
Application

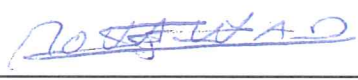
This is to certify that the Ballast Water Management System listed below has been examined and tested in accordance with the requirements of the specifications contained in Guidelines contained in Resolution MEPC.174(58) and DNV Rules stated above. This Certificate is valid only for the Ballast Water Management System referred to above.

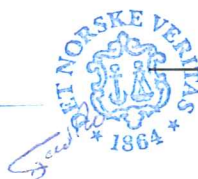
This Certificate is issued on behalf of the Norwegian Maritime Directorate

Place and date
Høvik, 2009-11-12
for DET NORSKE VERITAS AS

This Certificate is valid until
2013-11-12


Øivin Lorentzen
Head of Section


Jad Michel Mouawad
Surveyor



Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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.