



AMERICAN BUREAU OF SHIPPING

Customer Name	SKIPPER ELECTRONICS A/S	Purchase Order No.	008909
Attending Office	Oslo	Report Number	OS1673338
First Visit Date	14-May-2009	Last Visit Date	14-May-2009

Certification Of: Echo Sounder/Speed Log Transducer Quantity: One(1)
Installation Tank
Manufacturer: SKIPPER ELECTRONICS A/S Model No.: ETNSTCLF

Survey Location: at works, Oslo, Norway

Equipment Data

Purchaser Name	For Stock
<u>Design Details:</u>	
Design State	Design Approved
ABS Reviewing Organization	London Ship Engineering

This is to Certify that the undersigned surveyor(s) to this Bureau did, at the request of the customer, carry out the following survey and report as follows:

Inspections

Traceability of materials used on this project has been verified.
Welding plans, procedures & welder qualifications have been reviewed as required by Rule/Specifications.
Component/Equipment Examination and Testing
The principal data has been verified in accordance with the applicable Rules/specifications and approved plans, and confirmed to be within acceptable tolerances.
Subject to satisfactory installation, testing and trials after installation onboard the vessel.
For non-ABS Grades, tests and examinations as required by the specifications as listed in this report were carried out and found satisfactory.
Manufacturer test records and/or mill certificates were confirmed to comply with specification.
Material accepted from a quality assurance plant. Results of above noted tests reviewed with specification.
For details of Mechanical Properties and/or Chemical Composition, refer to the mill/manufacturer's records.
Final markings for identification confirmed.

Surveyor(s) to The American Bureau of Shipping Attending Surveyors

Fuglei Tor Brodde

Electronically Signed on 05-Jun-2009

Reviewed By
Bech, Alexander N

Electronically Signed on 05-Jun-2009, Oslo Port

NOTE: This report evidences that the survey reported herein was carried out in compliance with one or more of the Rules, guides, standards or other criteria of the American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Report is a representation only that the vessel, structure, item or material equipment, machinery or any other item covered by this Report has been examined for compliance with, or has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping. The validity, applicability and interpretation of this report is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Report or in any notation made in the contemplation of this Report shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.