



AMERICAN BUREAU OF SHIPPING

Customer Name	SKIPPER ELETRONICS A/S	Purchase Order No.	058008
Attending Office	Oslo	Report Number	OS1071958
First Visit Date	17-Oct-2008	Last Visit Date	17-Oct-2008

Certification Of: Valve for Echo Sounder/Speed log Quantity: One(1)
Manufacturer: SKIPPER ELETRONICS A/S Model No.: SB-60-SA

Survey Location: At works, Manglerud, Norway

Equipment Data

Manufacturer Number(S. No.) 08459
Designer Name SKIPPER ELETRONICS A/S
Purchaser Name KONGSBERG MARITIME AS

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.

The principal data has been verified in accordance with the applicable Rules/specifications and approved plans, and confirmed to be within acceptable tolerances.

All testing (pressure/load/operational/etc.) has been carried out as applicable and verified in accordance with the applicable Rules/specifications.

Testing machines are maintained in a satisfactory condition and records of their recheck or calibration dates confirmed.

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.

Final markings for identification confirmed.

Observations

The valves with Intermediate Element were hydrostatically tested to 6 Bar.

Material test reports was reviewed.

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

Fuglei Tor Brodde

Electronically Signed on 20-Oct-2008

Reviewed By
Bech, Alexander N

Electronically Signed on 20-Oct-2008, 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.