



# AMERICAN BUREAU OF SHIPPING

Customer Name	SKIPPER ELECTRONICS A/S	Purchase Order No.	254429
Attending Office	Oslo	Report Number	OS2551529
First Visit Date	19-Feb-2014	Last Visit Date	10-Mar-2014

**Certification Of:** Valve for Echosounder Transducer Installation Quantity: One(1)  
Manufacturer: SKIPPER ELECTRONICS A/S

**Survey Location:** Oslo, Norway

## Equipment Data

Manufacturer Number(S. No.) 14065  
Model Number SB-4000  
Purchaser Name Stock

## Additional Data

ABS Stamping AB OS2551529-A  
Valve Size 200  
Valve Material Cast Bronze - Bronze - NOT SPECIFIED - NOT SPECIFIED

**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:

Traceability of materials used on this project has been verified.

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.

Final markings for identification confirmed.

Hydrostatic pressure test was carried out at 15 bar with open and closed valve, no leakages or plastic deformation were noted.

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

Fuglei Tor Brodde

Electronically Signed on 10-Mar-2014

Reviewed By  
Silvestro, Francesco

Electronically Signed on 25-Mar-2014, 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.



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Attending Office	Oslo	Report Number	OS2551529
First Visit Date	19-Feb-2014	Last Visit Date	10-Mar-2014

**Certification Of:** One (1) Intermediate Element for Echosounder Quantity: One(1)  
Transducer Installation  
Manufacturer: SKIPPER ELECTRONICS A/S

**Survey Location:** Oslo, Norway

## Equipment Data

Manufacturer Number(S. No.) 4913  
Model Number Flanged Intermediate Element 200 mm  
Designer Name SKIPPER ELECTRONICS A/S

## Additional Data

ABS Stamping AB OS2551529-B  
Diameter 200 mm  
Material Stainless Steel - High Strength Steel - NOT SPECIFIED - NOT SPECIFIED  
Test Pressure 15 bar

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

Final markings for identification confirmed.

Hydrostatic pressure test of intermediate element connected to the valve flange was carried out at 15 bar, no leakages or plastic deformation were noted.

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

Fuglei Tor Brodde

Electronically Signed on 10-Mar-2014

Reviewed By  
Silvestro, Francesco

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