



# AMERICAN BUREAU OF SHIPPING

Customer Name **SKIPPER ELECTRONICS A/S**  
Attending Office **Oslo**  
First Visit Date **17-Oct-2008**

Purchase Order No. **058008**  
Report Number **OS1071958**  
Last Visit Date **17-Oct-2008**

**Certification Of:** Valve for Echo Sounder/Speed log  
Manufacturer: SKIPPER ELETRONICS A/S  
Quantity: One(1)

**Survey Location:** At works, Manglerud, Norway

## Equipment Data

Manufacturer Number(S. No.) 08457  
Model Number SB-100-SB  
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:

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.

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

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Manufacturer: SKIPPER ELETRONICS A/S  
Quantity: One(1)

**Survey Location:** At works, Manglerud, Norway

## Equipment Data

Manufacturer Number(S. No.) 08458  
Model Number SB-100-SB  
Designer Name SKIPPER ELETRONICS A/S  
Purchaser Name KONGSBERG MARITIME AS

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**Certification Of:** Valve for Echo Sounder/Speed log  
Manufacturer: SKIPPER ELETRONICS A/S  
Quantity: One(1)

**Survey Location:** At works, Manglerud, Norway

## Equipment Data

Manufacturer Number(S. No.) 08459  
Model Number SB-60-SA  
Designer Name SKIPPER ELETRONICS A/S  
Purchaser Name KONGSBERG MARITIME AS

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**Certification Of:** Valve for Echo Sounder/Speed log  
Manufacturer: SKIPPER ELETRONICS A/S  
Quantity: One(1)

**Survey Location:** At works, Manglerud, Norway

## Equipment Data

Manufacturer Number(S. No.) 08474  
Model Number SB-100-SB  
Designer Name SKIPPER ELETRONICS A/S  
Purchaser Name KONGSBERG MARITIME AS

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Manufacturer: SKIPPER ELETRONICS A/S  
Quantity: One(1)

**Survey Location:** At works, Manglerud, Norway

## Equipment Data

Manufacturer Number(S. No.) 08475  
Model Number SB-60-SA  
Designer Name SKIPPER ELETRONICS A/S  
Purchaser Name KONGSBERG MARITIME AS

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