



# AMERICAN BUREAU OF SHIPPING

Customer Name **SKIPPER ELECTRONICS A/S**  
Attending Office **Oslo**  
First Visit Date **23-May-2018**

Purchase Order No. **PWO 107620/108043**  
Report Number **OS3501392**  
Last Visit Date **23-May-2018**

**Certification Of:** Set of two (2) Transducer Tanks      Quantity: One(1)  
Manufacturer: SKIPPER ELECTRONICS A/S

**Survey Location:** Oslo, Norway

## Equipment Data

Manufacturer Number(S. No.)      Batch no 13353  
Model Number      ETNST

## Design Details

Design State      Product Design Assessed  
ABS Reviewing Organization      London Engineering Department  
Drawing Number      16-LD1465075

## Additional Data

ABS Stamping      ✱ OS3501392-B  
Diameter      219 mm  
Material      Carbon Steel - Ordinary Strength Steel - 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.

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

All parts of the machinery/equipment satisfactorily complied with the approved drawings. Amendments, if any, verified to be rectified and considered satisfactory.

For details of Mechanical Properties and/or Chemical Composition, refer to the mill/manufacturer's records.

Final markings for identification confirmed.

## Steel tanks intended for Echosounder Transducer Installation

Visual inspection, dimensional control and review of material certification carried out.

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

Fuglei Tor Brodde

Electronically Signed on 24-May-2018

Reviewed By  
Vocke, Sebastian

Electronically Signed on 24-May-2018, Gothenburg Port

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