



# AMERICAN BUREAU OF SHIPPING

Customer Name	SKIPPER ELECTRONICS A/S	Purchase Order No.	PWO 110973/110974
Attending Office	Oslo	Report Number	OS3682338
First Visit Date	05-Jun-2019	Last Visit Date	10-Jun-2019

**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 19131  
Model Number      ETNST

## Design Details

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

## Additional Data

ABS Stamping      ✱ OS3682338-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.

Welding plans, procedures & welder qualifications have been reviewed as required by Rule/Specifications.

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

Final markings for identification confirmed.

## Steel tanks intended for Echosounder Transducer Installation

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

Tanks were found covered by ABS Product Design Assessment no. 16-LD1465075-PDA.

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

Silvestro Francesco

Electronically Signed on 11-Jun-2019

## Reviewed By

Fuglei, Tor Brodde

Electronically Signed on 11-Jun-2019, Oslo Port

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