

Customer Name SKIPPER ELECTRONICS A/S

Attending Office Oslo

First Visit Date 29-Nov-2018

Purchase Order No. **PWO 109439 / 109440**

29-Nov-2018

Report Number **OS3592123**

Last Visit Date

Certification Of: Set of Three (3) Transducer Tanks Quantity: One(1)

Manufacturer: SKIPPER ELECTRONICS A/S

Survey Location: Oslo, Norway

Equipment Data

Manufacturer Number(S. No.)

Batch no 18431

Model Number ETNST

Vendor Tag Number PWO 109439

Design Details

Design State Product Design Assessed

ABS Reviewing Organization London Engineering Department

Drawing Number 16-LD1465075-PDA

Additional Data

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.

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.

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.

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

Silvestro Francesco Electronically Signed on 30-Nov-2018

Reviewed By Fuglei, Tor Brodde

Electronically Signed on 30-Nov-2018, Oslo Port



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