

SKIPPER ELECTRONICS A/S **Customer Name**

Attending Office

First Visit Date

Oslo

01-Jul-2019

Purchase Order No.

Report Number

Last Visit Date

Quantity:

PWO 111057 / 111059

OS3694339

01-Jul-2019

Certification Of: Set of Four (4) Transducer Tanks

Manufacturer: SKIPPER ELECTRONICS A/S

One(1)

Survey Location:

Oslo, Norway

Equipment Data

Manufacturer Number(S. No.)

Batch no 19252

Model Number

ETNST

Design Details

Design State **ABS Reviewing Organization**

Product Design Assessed London Engineering Department

Drawing Number

16-LD1465075-PDA

Additional Data

ABS Stamping Diameter

⊕ OS3694339-B

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.

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

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

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.

AB Report Vendor Page 1 of 2 Customer Name SKIPPER ELECTRONICS A/S
Attending Office Oslo
First Visit Date 01-Jul-2019

Purchase Order No.
Report Number
Last Visit Date

PWO 111057 / 111059 OS3694339 01-Jul-2019

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

Fuglei Tor Brodde Electronically Signed on 01-Jul-2019

Reviewed By Vocke, Sebastian

Electronically Signed on 03-Jul-2019, Gothenburg 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.

AB Report Vendor Page 2 of 2