



Work Order: 4349537-A
First Visit Date: 03-Jul-2020
Last Visit Date: 29-Jul-2020
Vendor PO Number: 113300
Survey Location: Oslo

Equipment Certification Report

Asset Type Pipe Fitting
Customer Name SKIPPER ELECTRONICS A/S
WCN of Customer 500646
Location Oslo

This is to certify that the undersigned Surveyors to this Bureau did at the request of SKIPPER ELECTRONICS A/S, from 03-Jul-2020 to 29-Jul-2020, carry out the following Survey and report as follows:

Client Asset Name **Quantity**

Set of Two (2) Transducer Tanks 1

Name Plate Data

ABS Label	Manufacturer	Purchaser	Designer	Destination Vessel	Spare
Set of Two (2) Transducer Tanks	SKIPPER ELECTRONICS A/S	-	SKIPPER ELECTRONICS A/S	-	Yes

Basic Identification Data

Serial Number	Model Number	Owner Tag Number	Supplier Ref. Number
BATCH NO. 20202	ETNST	-	TB-2002

Report Details

ABS Stamping

AB 4349537

Design Details

Design state	Drawing Number	Reviewing Organization	Rule Set Version
Product Design Assessed	16-LD1465075-PDA	London Engineering Department	2020

Additional Data

Diameter 219 mm

Material NOT SPECIFIED - Ordinary Strength Steel - NOT SPECIFIED - Carbon Steel

Statement of Work - Classification Service - Certification -

- All parts of the machinery/equipment satisfactorily complied with the approved drawings. Amendments, if any, verified to be rectified and considered satisfactory.
- The principal data has been verified in accordance with the applicable Rules/specifications and applicable approved plans, and confirmed to be within acceptable tolerances.
- Traceability of materials used on this project has been verified.
- Welding plans, procedures & welder qualifications have been reviewed as required by Rule/Specifications.

Report Findings

1 of 2

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 of 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 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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Statement/Observation

<i>Finding No</i>	<i>Asset</i>	<i>Survey Task</i>	<i>Date Created</i>
175.0	Set of Two (2) Transducer Tanks	Certification - Set of Two (2) Transducer Tanks	29-Jul-2020

Found

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

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

Closing Paragraph:

The component/equipment was surveyed in accordance with the Rules, specifications, and approved drawings, as applicable, and is eligible for installation on board an ABS classed vessel subject to satisfactory installation and testing, as necessary.

Attending Surveyor(s):

Silvestro, Francesco
Signed-off Date: 29-Jul-2020

Reviewing Surveyor(s)

Work Order Reviewer: Fuglei, Tor Brodde
Work Order Credit Date: 29-Jul-2020