

## MISCELLANEOUS SURVEY REPORT (Conditional)

| SURVEY OF:                                      |                    |                                                 | <u> </u>       |  |  |  |
|-------------------------------------------------|--------------------|-------------------------------------------------|----------------|--|--|--|
|                                                 | TRANSDUCER TANKS   |                                                 |                |  |  |  |
| Report No.:<br>OS 607746 B                      | Date:<br>13-MAY-05 | Port:<br>OSLO, NORWAY                           | ,              |  |  |  |
| Vessel's Name:                                  |                    | ABSID/VID/CID:                                  |                |  |  |  |
| Manufacturer:<br>SKIPPER ELECTRONICS AS, NORWAY |                    | Mfg.No.:                                        |                |  |  |  |
| Purchaser/Builder/S.Y.:<br>FOR STOCK.           |                    | PO No./Hull No.:                                |                |  |  |  |
| Location:                                       |                    | Rating (WP/HP/KW):                              |                |  |  |  |
| Serial Number:<br>N/A                           |                    | Weight:                                         | Test Pressure: |  |  |  |
| Material Test Report No.:                       |                    | Service Use:<br>BOTTOM FITTING FOR TRANSDUCERS  |                |  |  |  |
| Drawing No.                                     |                    | Date Approved: PENDING RENEWAL OF TYPE APPROVAL |                |  |  |  |

The ABS Rules require compliance to the Rules and/or other applicable specifications before any Material, Component, Product or System may be certified. *This item does not conform to* the following applicable Rules and/or specifications and the non-conformance must be corrected, as noted, and to the satisfaction of a Surveyor to this Bureau before this item may be certified for use on a Vessel, MODU or Facility intended for or classed with the American Bureau of Shipping:

APPROVAL OF DOCUMENTATION BY AN ABS TECHINCAL OFFICE

The undersigned Surveyor to this Bureau attended on 13<sup>th</sup> May 2005 for the survey and further reports as follows:

## Ten (10) pieces of welded circular tanks.

The tanks were manufactured according approval certificate number 98-OS-6658-X which is expired and is pending renewal.

The above components were visually examined in finished condition. The tanks had been tested by DNV with marking NV OSL 05 -6116 and accepted subject to document approval by ABS, installation onboard and testing to the satisfaction of the attending Surveyor.

This Report evidences compliance with one or more of the Rules, guides, standards or other criteria of 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, equipment, structure, item of material, machinery or any other item covered by this Report has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the surveys for a fuller description of any restrictions or limitations on the vessel's service or surveys. 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 report issued in contemplation of this Report shall be deemed to relieve any designer, builder, gwirer, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.

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Report No. OS 607746 Date: 13-MAY-05

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| 1. Manufacture or finishing carried out a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | according to:           |                                      |              |          |     |
| a) Approved plans and to the Rules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |                                      |              | X        |     |
| b) Other specifications were                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                                      |              |          | X   |
| 2. Testing carried out as required by Rules and/or specifications and as reported herein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                         |                                      |              |          |     |
| Calibration of testing/measuring equipment confirmed, with records maintained at facility or located at                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                                      |              |          |     |
| 4. The item was identified by                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                         |                                      |              |          |     |
| <del></del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                         |                                      |              |          |     |
| AB 113 C Distribution: Send minimum of one                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | copy to advise all that | can be affected by the non-conformal | nce.         |          |     |
| OEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Purchaser               | 2- KONGSBERG MARITIME                | **           |          |     |
| Sub-Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Administration          |                                      |              |          |     |
| ABS NC Office @                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ABS Port Office @       |                                      |              |          |     |
| Project Manager @                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ABS Houston CDC         | 1                                    |              |          |     |
| Local ABS Office 1 OSLO 1-SED LONDON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |                                      |              |          |     |
| M. Milan Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ABS )                   |                                      |              |          |     |
| Assign Hilland, American Bureau of Shipping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 291.3                   | Surveyor, American Bureau of Ship    | eing         |          |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                         |                                      |              |          |     |
| Parameter Parame | 033                     | V WAY 2006                           | 6N 6         | MIGIDIAL |     |
| REVIEWED By: Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Cale Cale               |                                      | OSLO, NORWAY |          |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                         |                                      |              |          |     |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                         |                                      |              |          |     |
| Corrective Action (This is intended to be ha                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | and written and attac   | thed to the final AB 113):           |              |          |     |
| Items #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                                      |              |          |     |
| Above were examined by the undersigned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | and the non-conforr     | nance is considered to be correcte   | ed.          |          |     |
| Date:, as report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ed in AB 113 Report     | Number                               |              |          |     |
| Corrective Action by (print name and sign)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | :                       |                                      | _            |          |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Survey                  | or, American Bureau of Shipping      |              |          |     |

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