



Certificate No: **N141X841** 

| This is to certify  |   |
|---|---|
| that the product:   | Valve Assembly  |
| Type designation:   | SB-60-SA  |
| Application/context:  | The valve may be used in conjunction with installation of speed log or echo sounder |
| Serial/tag no:  | 20148   |
| Has been found to comply with rele<br>DNVGL-RU-SHIP :DNV GL rules | evant requirements in: for classification: Ships (2019-07)                          |
| The product is intended for                                       |   |
| Yard:   |   |
| Yard No:  |   |
| Name of vessel:   | STOCK   |
| DNV GL Id No:   | _   |
| The product / material has bee                                    | n marked: N141X841 on: Valve housing  |
| Particulars of Vendor and   | Purchaser   |
| Vendor:   | Skipper Electronics AS  |
| Vendor reference:   |   |
| Purchaser:  |   |
| Purchaser reference:  |   |
|   |   |



Issued at Oslo Maritime and CAP on 2020-08-18

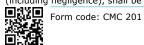
for **DNV GL** 

This document has been digitally signed and will therefore not have handwritten signatures

Karlsen, Håkon Surveyor

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Revision: 2020-02



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## **Linked Type Approvals:**

TAS00001J9, Bottom Penetration for Echo Sounder, Sonar or Log

## **Surveyor Supplementary information:**

The valve housing has been subjected to a hydro-static pressure test, and the valve assembly to a seat leakage test to 5 bar. Holding time 5 minutes.

**Manufacturing Survey Arrangement No: MSARC0000B3Z** 

**Quality System Certificate No: TI151 ISO 9001:2015** 

Form code: CMC 201 Revision: 2020-02 www.dnvgl.com Page 2 of 2