

DET NORSKE VERITAS

Certificate No OSL-12-4647

PRODUCT CERTIFICATE

Manufacturer:	SKIPPE	R Electronics AS	
Manufacturer's order No.:	85713		
Purchaser:	SAM Ta	ihang	
Purchaser's order No.:			
The product is intended for			
Yard:	(TBD)		
Yard No.:			
Name of vessel:	""	,	
DNV Id. No.:	P261.10		
THIS IS TO CERTIFY:			
that the product:	Bottom Penetration for Echo Sounder, Sonar or Log		
Type designation: Intended purpose: Serial No(s):	ETNSJE The gat	SA, DB-60-SA, SB-100-LAX_, DB-100-LA, B/ETNSLB-100mm e valve may be used in conjunction with installation of og or echo sounder	
Has been built and tested in accordance with the rele	evant requir	rements of:	
DNV Rules for Classification: Ships	☐ HSLC ☐ Naval ☐ Offshore		
☐ Other standards:			
Remarks (if more than one line, use page 2):			
The product was marked: NV-OSL-12-4647	(On: Gate Valve	
This field is only to be filled in when the certification is based of Manufacturing Survey Arrangement (MSA). The undersigned manufacturer declares that the product/syste been built and tested in accordance with the specification/star stated above and the conditions referred to in Manufacturing Survey Arrangement No: R-1948 Quality System Certificate No: TI 151 ISO 9001:	em has ndard	This Certificate is only valid when signed by a DNV surveyor.	
For Manufacturer:		For Det Norske Veritas AS	
Place: Oslo		Place:	
Date: 14.12.2012		Date:	
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Anders Karlstad		Håkon Karlsen	
Product Technician		Surveyor	

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Remarks: The valve housing has been subjected to a hydrostatic pressure test, and the valve assembly to a seat leakage te 5 bar. Holding time 5 minutes.	t to
Marking and certificate numbers for the different parts:	
Drawings with dates of approval and/or type approval certificate number: DNV S-6000	

DET NORSKE VERITAS AS, Veritasveien 1, NO-1322 Høvik, Norway, Tel.: +47 67 57 99 00, Fax: +47 67 57 99 11, Org.No. NO 945 748 931 MVA www.dnv.com Form No.: 20.92a Issue: October 2010 Page 2 of 2