

## DET NORSKE VERITAS

## PRODUCT CERTIFICATE

anufacturer:	SKIPPER Electro	nics AS			
lanufacturer's order No.:	78288 STX Engine Co. Kyeong-Do Korea				
urchaser:					
urchaser's order No.:					
he product is intended for					
ard:	(TBD)				
ard No.:					
lame of vessel:	66 39				
DNV Id. No.:	P261.1C				
THIS IS TO CERTIFY:			Conor or Log		
that the product:		ation for Echo Sounde			
Type designation:	SB-60-SA, DB-60-SA, SB-100-SAX_, DB-100-SB, ETNSJB/ETNSLB-100mm The gate valve may be used in conjunction with installation of speed log or echo sounder				
Intended purpose:	speed log or echo sounder 11272				
Sarial Moisi.	*				
Has been built and tested in accordance with the	relevant requirements	s of:			
DNV Rules for Classification:  ☐ Other standa	⊠ HSLC	of:	⊠ Offshore		
Has been built and tested in accordance with the DNV Rules for Classification: ☐ Ships ☐ Other stands  Remarks (if more than one line, use page 2):	⊠ HSLC rds:	∐ Navai	⊠ Offshore		
Has been built and tested in accordance with the DNV Rules for Classification: ☐ Ships ☐ Other stands  Remarks (if more than one line, use page 2):  The product was marked: NV-OSL-11-4572  This field is only to be filled in when the certification is to Manufacturing Survey Arrangement (MSA).	MHSLC rds:  On: Ga ased on a  Th	∐ Navai	☑ Offshore		
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Has been built and tested in accordance with the DNV Rules for Classification: Ships  Other stands  Remarks (if more than one line, use page 2):  The product was marked: NV-OSL-11-4572  This field is only to be filled in when the certification is to Manufacturing Survey Arrangement (MSA).  The undersigned manufacturer declares that the product been built and tested in accordance with the specification stated above and the conditions referred to in stated above and the conditions referred to	On: Ga  Substantian de la companya d	ite Valve  is Certificate is only valurveyor.  For Det No.	lid when signed by a DNV		
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## Certificate No OSL-11-4572

emarks: 'he valve housing has been subjected to a hydrostatic pressure test, and the valve assembly to a seat leakage test to bar. Holding time 5 minutes.							
larking and certificate numbers for the different parts:							
Prawings with dat	es of approval and/o	or type approval ce	rtificate number:				

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Page 2 of 2