

DET NORSKE VERITAS

Certificate No OSL-12-4606

PRODUCT CERTIFICATE

Manufacturer:		SKIPPER	R Electronic	s AS		
Manufacturer's order No.:	··	84691				
Purchaser:	··	Kongsbe	ra			
irchaser's order No.: ie product is intended for ard: ard No.: ame of vessel: NV Id. No.: HIS IS TO CERTIFY: iat the product: ype designation: itended purpose: erial No(s): as been built and tested in accordance with the rele NV Rules for Classification: Ships						
The product is intended for	ser's order No.: oduct is intended for (TBD) D.: of vessel: " No.: P261.1C STO CERTIFY: e product: Bottom Penetration for Echo Sounder, Sonar or Log sesignation: ETNS.JB/ETNSLB-100mm The gate valve may be used in conjunction with installation of speed log or echo sounder 12306 Seen built and tested in accordance with the relevant requirements of: tules for Classification: Ships HSLC Naval Offshore Offshore Stelles for Classification: Ships HSLC Naval Offshore This Certificate is only valid when signed by a DNV surveyor. Seen built and tested in accordance with the productlysystem has en built and tested in accordance with the productlysystem has en built and tested in accordance with the specification/standard atte above and the conditions referred to in anufacturing Survey Arrangement (NSA). This Certificate is only valid when signed by a DNV surveyor. For Det Norske Veritas AS Place: Anders Karistad Håkon Karlsen					
Yard:	••	(TBD)				
Yard No.:						
Name of vessel:		""				
DNV Id. No.:		P261.1C				
THIS IS TO CERTIFY:						
that the product: Type designation: Intended purpose: Serial No(s):		SB-60-SA, DB-60-SA, SB-100-SBX_, DB-100-SB, ETNSJB/ETNSLB-100mm The gate valve may be used in conjunction with installation of speed log or echo sounder				
Remarks (if more than one line	, use page 2):					
The product was marked: NV-O	SL-12-4606	C	n: Gate Val	ve		
		а			hen signed by a DNV	
been built and tested in accordant stated above and the conditions re Manufacturing Survey Arra	ce with the specification/standa eferred to in angement No: R-1948	ard		For Det Norsk e	o Voritas AS	
For Manufacturer:			FOI Det NOISKE VEIItas AS			
Place: Oslo			Place:			
Date: 17.10.2012			Date:			
Anders Karlstad Product Technician			Håkon Karlsen 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