ICN	IN	SPECTION	I SHEET No.		CTC008	05555	TCE00512646				
INSPECTION DESCRI	PTION	CP1-2 - QUALITY INSPECTION OF THE PAINT APPLICATION									
SHIP			ORDER No.		JOB ORDER FILE						
53C			COS-SMB-20012	20_E	CC-200120-22310-13-001-A						
INSPECTION QUALIFIC	CATION	СО	NSTRUCTOR	MODE QC							
INSPECTION SUPER\	<u>/ISOR</u>	QC									
ACCEPTANCE CRITI	ERIA	SMB-030610 / SMB-002522									
SCOPE OF INSPECT	<u>ION</u>	100%									
OBSERVATIONS:											
ELEMENTS TO BE		. OF	NO. OF	CON	FORM						
INSPECTED		CORD	INSPECTION	Y N		NCR / RO Nº					
53C-SC4-BT1-PD	Cl.	1-2	CTE00805557	X	_	_					
53C-CL105-EL121	CP	1-2	CTE00805557	\times							
53C-CL105-EL122	CPJ	2	CTE00805557	X		- 11 45	A. Second				
53C-CL105-EL131	CV.	1-2	CTE00805557	×		-	Q\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				
					,						
							6				
INSPECTION SHEET CLOSURE											
NAME OF INSPECTION SUPERVISOR: José G. de S. Galvão Inspetor de Pintura Nível - 1											
NAME OF INSPECTION SUPERVISOR: José G. de S. Galvão Inspetor de Pintura Nível - 1 ABRACO SNQC - CP Nº 0563 Corpo Técnico da Marinha ICN - Itagual Construções Navels S/A DATE: 30/20/2015											

							CTE00805557 / 1		
CP1-2	: Quality inspection	of the p	lication			SMB-030610 -B			
A: Identification									
Inspection request N°:	Job Order technician's name:								
	CTE0080555	7	Macaulay Willian L. R. da Silva						
Order N° (issue):	N	lanufactur	ring or inst	tallation order N° (issue): Ship:					
COS-SMB-2001	WARD BATTERY COMPARTMENT 53C								
Designation of the product and production phase:	L105-EL122,	Critical surface: Qualification of the operators ☐ Yes ☒ No Complete (M)							
B: Lifting of hold p		PECTOR ate - Signature	Remarks Anomaly processing sheet						
corrosion system (L) Final acceptance (L) of complete system				José G. de S. Galvão Lispetor de Pintura Nivel - I 30/01/2019					
						VV \			
C: Designation of measuring instruments					Metrology N°		Validity Date		
Elco	MP	L-005	25/07/2019						
Ger	THS-006			09/03/2019					
Te	THJ-006			09/03/2019					
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CP1-2: Quality inspection of the paint application

K: Application of coating					,	Specific Control Management	
Location CC - LOO J	sons Elem. Le	MPART. BATER	A				
Paint applied		INTERGARD 269					
Paint manufacturer	0	TATERNATIONAL				*	
Batch No. (base or dual component) Use-by date		B118050100					
Hardener batch No. Use-by date		30,05.19					
Surface state before application i.a.w. indications in chapter F		☑ C ☐NC	☐ C ☐NC	□C □NC	C NC	C DNC	☐ C ☐NC
Method of application	Roller: R / Brush: B / Spray gun: P / Airless spray: A	R B P A	R B P A	R B P A	R B P A	R B P A	R B P A
5 4.26	T° of support T1 > 5°C	T1: 37, 3	T1:	T1:	T1:	T1:	T1:
Dew point*	Dew point T2	T2: 23,2	T2:	T2:	T2:	T2:	T2:
ISO\$502-4	T1-T2 > 3°C	8.5					
	Ambient T° (°C)	29.5					
Weather conditions*	Relative humidity (%)	69.8					
	Base (weight)	A=	A=	A=	A=	A=	Α=
	Hardener (weight)	B=	B=	B=	B=	B=	B=
Mixing ratio	Base (volume)	A= 4	A=	A=	A=	A=	A=
	Hardener (volume)	B= /	B=	B=	B=	B=	B= .
MIX USAGE PERIOD (AT 20°C)		8 HORAS					
		m=	m=	m=	m=	m=	m=
	Temperature:	N=	M=	IVI=	IVI=	IVI=	IVI=
	Tananantuna	m= -	m=	m=	m=	m=	m=
COATING TIME	Temperature:	IVI=	M=	IVI=	IVI=	IVI=	M=
	Tamparatura	m= _	m=	m=	m=	m=	m=
	Temperature:	IVI=	M=	IVI=	M=	IVI=	M=
Date and time of start of application		29.01.19 15:00HIRS					
Name: Signatu	Luiz Claudio Gouvea Lousada Matricula: 1756 re: IGN - Itagual Construções Navais S/A	April 120		·			

CP1-2: Quality inspection of the paint application

SMB-030610 -B

L : Acceptance of paint system	
Anti-corrosion dry film thickness check SMB-326397	INSPECTOR
- Thickness of anti-corrosion system: Required X Not required	C NC
Contractual thickness 'Ec': μm	Name:
All measurements ≥ 80% of "Ec" Average of all measurements ≥ "Ec" and ≤ 3Ec 20% max. of measurements should be comprised between 0.8Ec and Ec. Mean thickness obtained:µm	Signature: Date:
Complete system dry thickness check SMB-326397 - A - Thickness of anti-corrosion system: Required Not required	INSPECTOR
Contractual thickness 'Ec': 50μm	
All measurements ≥ 80% of "Ec" Average of all measurements ≥ "Ec" and ≤ 3Ec 20% max. of measurements should be comprised between 0.8Ec and Ec. Mean thickness obtained:µm	C NC
Appearance check. SMB-326403 ~ A	
- Alteration of the paint film: X Zero defects	C NC
- Appearance defects: Zero defects Defect accep	oted C NC
Cross-linking check SMB-326413 - A	
Required after applying a zinc ethyl silicate workshop Primer x Not Requ	ired C NC
Level required \geq 0 1 2 3 \times 4 5	
	Namejosé G. de S. Galvão Lispetor de Pintura Nivel - I Signature: Date: 30 05 255

CP1-2: Quality inspection of the paint application

SMB-030610 -5



L: Qualification of operators Required X Yes No												
				Nature of the work (X)				Qualification (X)				
Date	Operator	Surface preparation	Preliminary touch-up	General coat	Final touch-up	Inspection		Confirmed operator	ACQPA / Level 1* Surface preparation	ACQPA / Level 1* Paint application	Inspector certified in anticorrosion	
2019	VAGNER BENEVITO 1762	X							X			
29.01	DSO GENTURO GALVÃO					X					×	
29.05 2059	LUIT CCHIBO CONSIM JA56			X						X		
29.01 20.19 29.01 20.19 30.01 20.19	VAGNER BENEVITO 1162 SNOC-CP-0563 DE GENTURO LOUSIM 1256 DE GENTURO GALVÃO SNOC-CP-0563 DE GENTURO GALVÃO					X					×	
		/										
						255						
						/						
									_			
										1		

^{*} or equivalent level recognized by DCNS.