

REPORT OF ULTRASONIC EXAMINATION

초음파탐상검사보고서

지엔아이솔루션주 Global Nondestructive Examination & Inspection Solution 본사 : 경남 통영시 광도면 황리 공단로 76 TEL . (055)646-8643 FAX . (055)646-8643 목포출장소 : 전남 영암군 삼호읍 대불산단 6로 23 TEL . (061)464-5161 FAX . (061)464-8925		Report No. 보고서 번호	
		GNI-MP-EX-UT-2016-002	
		Page No. 페이지 번호	
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Customer(발주처) 한국도로공사 강원지역본부 / 에스큐엔지니어링㈜		Project No./Name(공사번호/명) 남조천교 등 12개소 정밀안전진단 용역	
Item No./Name(제품번호/명) 남조천교(춘천방향)	Part No./Name(부품번호/명) 플랜지 맞대기용접부	Dwg.No(Rev) (도면번호) N/A	
TRV No. N/A	Revision N/A	Operation No. N/A	Procedure No.(Rev)(절차서) GNI SOL.-NDEP-UT-KS01 (0)
Examination Time(검사시기) N/A		Applied Spec.(적용규격) KS B 0896 / L 검출레벨	
Material Type(재질) C/S	Mat'l Thickness(두께) 10~24 mm	Surface Condition (표면상태): ☐ As Ground ☒ As Welded ☐ As Casting ☐ As Machined ☐ As Rough Machined	
Test Temp.(표면온도) 20 °C	Product Form(제품형태) BUTT - JOINT	Test Method(검사방법) ☒ Contact(접촉) ☐ Immersion(수침) Contact wedge : Shoes Couplant(접촉매질) ☐ Oil ☐ Glycerin ☒ C.M.C	
Screen Height Linearity(직선성) within Max. ± 1 % FSH		Amplitude Control Linearity(증폭성) within Max. ± 3 %FSH	Calibration Date(교정일자) 2016-08-12
Calibration Block (교정 시험편)	Type(종류)	S.No.(번호)	Serial No. (고유번호)
Standard Block	STB-A1,A2	90/50/11	57749-51313 56928-13967 52929-58381
Reference Block	Non-Piping 19T(Ø2.4) 38T(Ø3.2)	GNI-UT-01 GNI-UT-02	Angle (교정각도) 0° 60° 70°
Equipment (탐상기)	S.No. (번호)	70080504	Frequency (주파주)
	Type/Model(종류/모델)	EPOCH XT	Size (크기)
	Maker(제조사)	OLYMPUS	4MHz 4MHz 4MHz
	Due Date(교정유효일)	2016-10-11	Ø 10mm 8 X 9 mm 8 X 9 mm
		Setting Sensitivity Method (감도설정법)	Scanning (주사감도)
		Cable (케이블)	Standard (표준감도)
		NU-BC2 2m	33dB 41dB 50dB
		Method (방법)	Back wall Method & DAC:Ø2.4
			39dB 47dB 56dB
Examination Sketch 			
Remark(비고) 100% Scanning, Overlap≥10% Transducer Dimension, Scanning ≤150mm/sec.			
Examined by 검사자 H. S. KIM GNI SOL.-LII -15030408 Level II		Date of Examination (검사일자) 2016년 9월 22일	
Approved by 승인자 J. G. KIM GNI SOL.-LIII -14101602 Level III		CLASS / Third Party Inspector (선급 / 공인 검사관) ☐ Reviewed by ☐ Witnessed by	
		Owner/Customer (주문주 / 고객 감독관) ☐ Reviewed by ☐ Witnessed by	

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 지엔아이솔루션주 Global Nondestructive Examination & Inspection Co., Ltd. 본사 : 경남 통영시 광도면 황리 공단로 76-1 TEL . (055)646-8643 FAX . (055)646-8216 목포출장소 : 전남 영암군 삼호읍 대불산단 6로 23-1 TEL . (061)464-5161 FAX . (061)464-8216				Report No.보고서 번호 GNI-MP-EX-UT-2016-002							
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Identification No. 확 인 번 호	Dec. (판정)	Grade (등급)	Angle (각도) °	DEFECTS					Exa. Len. (검사길이) (mm)	Welder No. (용접사번호)	Remarks 비 고
				Location(mm) X Y		Length (mm)	Depth (mm)	Max Resp. (DAC%)			
춘천방향 G1-S1-1	ACC	1	70	NO RECORDABLE INDICATION					600		남조천교
S1-2	ACC	1	70	NO RECORDABLE INDICATION					600		"
G1-S2-1	ACC	1	70	NO RECORDABLE INDICATION					600		"
S2-2	ACC	1	70	NO RECORDABLE INDICATION					600		"
G1-S3-1	ACC	1	70	NO RECORDABLE INDICATION					600		"
S3-2	ACC	1	70	NO RECORDABLE INDICATION					600		"
G1-S4-1	ACC	1	70	NO RECORDABLE INDICATION					600		"
S4-2	ACC	1	70	NO RECORDABLE INDICATION					600		"
G1-S5-1	ACC	1	70	NO RECORDABLE INDICATION					600		"
S5-2	ACC	1	70	NO RECORDABLE INDICATION					600		"
G1-S6-1	ACC	1	70	NO RECORDABLE INDICATION					600		"
S6-2	ACC	1	70	NO RECORDABLE INDICATION					600		"
G1-S7-1	ACC	1	70	NO RECORDABLE INDICATION					600		"
S7-2	ACC	1	70	NO RECORDABLE INDICATION					600		"
G1-S8-1	ACC	1	70	NO RECORDABLE INDICATION					600		"
S8-2	ACC	1	70	NO RECORDABLE INDICATION					600		"
G2-S1-1	ACC	1	70	NO RECORDABLE INDICATION					600		"
S1-2	ACC	1	70	NO RECORDABLE INDICATION					600		"
G2-S2-1	ACC	1	70	NO RECORDABLE INDICATION					600		"
S2-2	ACC	1	70	NO RECORDABLE INDICATION					600		"
G2-S3-1	ACC	1	70	NO RECORDABLE INDICATION					600		"
S3-2	ACC	1	70	NO RECORDABLE INDICATION					600		"
G2-S4-1	ACC	1	70	NO RECORDABLE INDICATION					600		"
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G2-S8-1	ACC	1	70	NO RECORDABLE INDICATION					600		"
S8-2	ACC	1	70	NO RECORDABLE INDICATION					600		남조천교
			-	B	L	A	N	K	-	Total : 32개소	