

## Phased Array Examination Report

PROJECT INFORMATION																		
Customer		Husky Energy																
Address		Ansell Gas Plant																
Project		Bullet Weld Inspections																
Item Description		V701-C Propane Bullet - A0430456																
Exam Standard		Phased Array / TOFD Inspection					Acceptance Standard			For Information only			Procedure		POLAR-UT-PA02 Rev 0.1			
TESTING EQUIPMENT & PARAMETERS																		
Instrument		Probe and Wedge		Scan 1 Setup	Scan 2 Setup	Scan 3 Setup	Group Settings		Group 1	Group 2	Group 3	Material	Cal. Std	Item Inspected				
Make	Olympus	Probe Make	Olympus	Olympus	Panametrics	Scan		90	270	TOFD	Material:	Carb Steel	Carbon Steel					
Model	MX2	Probe Model	5L64	5L64	C544	Angles		45-72	45-72	70	Velocity:	3240 m/s	3240 m/s					
S/N	Omni2-101033	Probe Frequency	A12-5MHz	A12-5MHz	10MHz	Focal Distance		55	55	2/3T	Diameter:	457mm	3596mm					
Cal. Due Date	May 3, 2020	Cable Type	CoAxial	CoAxial	Microdot	Beam Resolution		1.0	1.0	-	SCH/Nom. Thick:	SCH 160	30.7mm					
Module Model	PA32/128	Probe S/N	K1665	K1690	827266	Reference dB		17.0	16.0	15.0	Temperature (°C):	+20	+20					
Module S/N	Omni-600504	Wedge Material	Rexolite	Rexolite	Rexolite	Transfer dB		-	-	-	Surface Condition:	Clean	Painted					
Cal. Due Date	May 3, 2020	Wedge Model	SA12N55S	SA12N55S	ST1-70L	Scanning dB		+6.0	+6.0	-	Couplant:	Water	Water					
Software Version	MXU 4.4R4	Wedge Diameter	Flat	Flat	Flat	Encoder		Calibration (steps/mm)		13.78	Scan Res.	1.0	Speed (mm/s):	42.0				
EXAMINATION DETAILS AND RESULTS																		
Location		V701-C Propane Bullet								Flaw Details (mm)								
Weld ID	Welder ID	C/L Offset (mm)	Weld Width (mm)	Scan Start	Scan Direction	Scan 1 Location	Scan 1 Thickness	Scan 2 Thickness	Circ Start (mm)	Axial Position (mm)	OD Depth (mm)	Height (mm)	Length (mm)	% Amp	a/t	Type (Surface or Sub)	Accept or Reject	Comments
CS-1 (North Head)	N/A	32	45	TDC	CW	90	32.0	34.0	0	-	-	-	-	-	-	-	ACC	No ISI recorded
CS-2	N/A	32	45	250	CW	90	32.0	32.0	0	-	-	-	-	-	-	-	ACC	No ISI recorded
CS-3	N/A	32	45	TDC	CW	90	32.0	32.0	0	-	-	-	-	-	-	-	ACC	No ISI recorded
CS-4	N/A	32	45	TDC	CW	90	32.0	32.0	0	-	-	-	-	-	-	-	ACC	No ISI recorded
CS-5	N/A	32	45	TDC	CW	90	32.0	32.0	0	-	-	-	-	-	-	-	ACC	No ISI recorded
CS-6	N/A	32	45	TDC	CW	90	32.0	32.0	0	-	-	-	-	-	-	-	ACC	No ISI recorded
CS-7	N/A	32	45	450	CW	90	32.0	32.0	0	-	-	-	-	-	-	-	ACC	No ISI recorded
CS-8 (South Head)	N/A	32	45	450	CW	90	34.0	32.0	0	-	-	-	-	-	-	-	ACC	No ISI recorded
Notes	TDC= top dead center. LS=long seam. ISI= In Service Indications. Circ scans clock wise facing North. Consistency and quality of data acquisition limited due to surface condition. Long seams @ approximately 10 & 2 o'clock. Non-encoded manual PAUT performed at all "T" intersections and all nozzles without repads. Manufacture defects were noted but not recorded as part of this report. Intermittent slag/flux line noted on CS-8 @ approximately 550-900mm																	
Examiner	Douglas Walker					Signature: <i>Doug Walker</i>					Certification Type, Level and Reg. No.:		CGSB UT II #15277 PCN PAUT/TOFD # 317625		Greg Guenette			
Peer Review						Signature:					Certification Type, Level and Reg. No.:		Date:					
The examination results included in this report are an interpretation of the testing instrument data and not a guarantee of equipment, part, or component condition. Streamline is only liable for the cost of the examination services provided																		

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LS C2-C1	N/A	32	45	CS2	CW	90	32.0	32.0	0	-	-	-	-	-	-	-	ACC	No ISI recorded
LS C2-C3	N/A	32	45	CS2	CW	90	32.0	32.0	0	-	-	-	-	-	-	-	ACC	No ISI recorded
LS C3-C4	N/A	32	45	CS3	CW	90	32.0	32.0	0	-	-	-	-	-	-	-	ACC	No ISI recorded
LS C4-C5	N/A	32	45	CS4	CW	90	32.0	32.0	0	-	-	-	-	-	-	-	ACC	No ISI recorded
LS C5-C6	N/A	32	45	CS5	CW	90	32.0	32.0	0	-	-	-	-	-	-	-	ACC	No ISI recorded
LS C6-C7	N/A	32	45	CS6	CW	90	32.0	32.0	0	-	-	-	-	-	-	-	ACC	No ISI recorded
LS C7-C8	N/A	32	45	CS7	CW	90	32.0	32.0	0	-	-	-	-	-	-	-	ACC	No ISI recorded
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