Subject:Cleveland Process AuditDate:October 1, 2015Completed By:Steve Busicnki

On October 1, 2015, work order CLV 57409 was ran on the CLO for Lakeside. Tag NI67495 was verified prior to loading and use of the coil. The operator stated that he checked the gauge at the beginning of the coil and they were recorded on the Slit Size Inspection sheet. Each cut was measured for width using calipers when initially fed through the arbors. The coils were split at the appropriate point. The material thickness was measured again at the split with a micrometer. The thickness was measured again at the end of the coil. 99.9% of the gauge was within the customer range, with 0.1% representing the edge drop off associated with the edge of the steel. Micrometer readings verified material to be within specification.

Part Spec/PO Audit Form

Cust #	6750	Customer	Lakeside	•		Grp/Sz/Grd/Wdth GVC / 0.0220 / CB90CD / 17.2400					
Equip/Plant	PWC CLO	Work Order #	CLV 57409	Date	10/1/2015	Part No.	GG90CN024PCI				
Work Order Information			Material	to be Used		Actual					
		Tag #1	NI67495	Tag #2		Gauge #1	.025 / .026	Gauge #2			
		PO#	22086-001	PO#		% Gauge In Spec	99.90%	% Gauge In Spec			
Gauge Range	0.0220 - 0.0260	Gauge Min	0.0220	Gauge Min		Low/High Gauge	0.0218 / 0.0256	Low/High Gauge			
Width Range	17.235 - 17.245	Width	52.2200"	Width		Average	0.0233	Average			
Length Range	Coil					Width	17.242 , 17.243	Width			
Rockwell		Rockwell		Rockwell		Length	Coil	Length			
Tensile						Rockwell		Rockwell			
Yield		A653 Galvanized	1								
% Elongation		Coil CS-B *90									
Chem Rqmts		CT Dry									
Other Rqmts		.0220 Min X									
		52.2200"				Other					
		1pcs 43,440lbs									
Summary					<u> </u>						
Actions					Ļ						
Final Status					ŀ						

Date: Dod. 1	,2015		Work Order:	CU/57409				
	Begi	nning	(Paxso	on Only)	End			
Size of Cuts	Width	Mics		le Mics	Width	Mics		
17. 240	7.243	,095 /	Solit P 12	3 1/14	17.243	020		
	17. 242		. 000/	. 1	17.242			
	17.243	1.Dale	1.003Q-	splat	17.242 17.243	1,003		
				/		/		
	т. "К							
					s			
	- H			-				
-, Ø								
						-		
				ä	ά.			

Slit Size Inspection

DO ANY CUTS HAVE:

Burrs Knife Marks

Rust/Stain

Initials

7/21/2011

AGT400 Coil Summary Report

Jemison Metals -- 60 Inch Loopco Slitter

Work Order: CLV 57409 Coil Number: NI67495

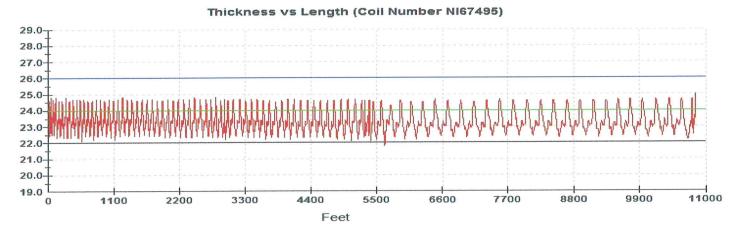
Customer Name: LAKESIDE Heat Number: M R04518

Product: G90 Galvanized Oct-1-15 8:48 AM to 9:47 AM (clock 58.2 min/ run 44.5 min) Shift: 1

Average Thickness and Tolerance Data Target 0.0240 in Average ^{0.0233} in	Average - Target -0.0007 in (-2.83%) Standard Deviation^ 0.0007 in (2.71%)
Width 52.312 in In Tolera	h Limit0.0260 in0 ft (0.0%)nce10826 ft (99.9%)Limit0.0220 in6 ft (0.1%)
Max Thickness 0.0256 in at 2 ft Head Scrap 1 ft	Min Thickness 0.0218 in at 5633 ft Tail Scrap 9 ft
X Double Bar 0.0233 in R Bar	olerance Limit 0.0260 in 0.0020 in olerance Limit 0.0220 in
CR 97.5% (Capability Ratio %, 100/CP) CP 1.026 (Process Capability, HiLim-LoL CPK 0.677 (Capability vs Limits)	im/6*Sigma) TMW Ratio 0.943(Low Limit/Avg)

Thickness Distribution Relative to the Target

+++	0.0%																				
+0.0050	0.0%																				
+0.0045	0.0%																				
+0.0040	0.0%																				
+0.0035	0.0%																				
+0.0030	0.0%																				
+0.0025	0.0%																				
+0.0020	0.08																				
+0.0015	0.0%																				
+0.0010	0.0%																				
+0.0005	9.98			* * * * * * * * *																	
+0.0000	10.3%			* * * * * * * * *																	
-0.0005	11.4%	* * * * *	* * *	* * * * * * * * *	* * * *																
-0.0010	37.0%	* * * * *	**;	* * * * * * * * *	****								* * * * * * * *	****	***>						
-0.0015	25.8%			* * * * * * * * *	****	****	****	* * * * *	*****	*****	****	* * * *									
-0.0020	5.5%	* * * * *	**:	* * * *																	
-0.0025	0.1%																				
-0.0030	0.0%																				
-0.0035	0.0%																				
-0.0040	0.0%																				
-0.0045	0.0%																				
-0.0050	0.0%																				
	0.0%										2				-						
		0	3	6	9	1	12	15	18	21	2	1	27 3	30	33	olo					
68.6%	is wi	thin	+	0.0010	in	of	the	tar	aet	100	.0%	is	withi	n ±	0.00)25	in	of	the	target	
																				target	
100.0%	TR MT	unn	T	0.0050	тп	OL	CILE	Lar	yer	TOO	.00	TD	WICHT	LL	0.0-	100	11-11	OL	CILC	curyet	



Gauge readings provided by Advanced Gauging Technologies, L.L.C. Plain City, OH 43064 USA Tel:(614) 873-6691

Slitting Order

			a								
Date: / /				Customer:							
9/30/19	5			Lakesale							
Work Order #:											
C	N57409			Date Run: Oct. 1, 2015							
				1	n na an tha a						
		Incor	ning Inspe	ection Ch	necklist						
Tag #	Gauge & Width	Туре	Tag Wgt.	RB	Olsen	Actual Wgt.	Width	Mic			
NIC01495	.092 X52,92 D	GUC	43,44D		-	43,440	52/14	.025			
			/					1,024			
					_			-			
		-					20				
Cutting Ir	structions: 3 cur	TS 17.240	2		.	•	•				
		1									
Slit Tolerance:	- 005	Max O.D:	hall	Max Skid \	Ngt:		I.D:				

Salesman:

SIM C

<u>,022 /,024</u> Special Instructions:

2 Cuts Rejected

Gauge Range:

1 Cuts with some defect but okay to ship

Cut Size 00 Cut Weight SSCI/AtION Defect Approved By Cut Size Cut Weight Tag No. or No.'s **Reason for Reject** Name Date

3 Ok to move material for shipment or to Stock