Subject:	Cleveland Process Audit
Date:	October 09, 2015
Completed By:	Steve Busicnki

On October 09, 2015, work order CLV 57699 was ran on the CR2 for CTB. Tag 216018 was verified prior to loading and use of the coil. One of the first pieces of finished material was measured for length, width, square, flatness and bow. The gauge was then measured with a micrometer at both edges and the crown. This inspection was also completed for the last piece of the first, third, fifth, eighth and ninth bundles. Based on the gauge report, 93.6% of the gauge was within the customer range, with 6.4% representing the edge drop off associated with the edge of the steel. Micrometer readings verified material to be within specification.

Some of the gauge readings along the edge of the material read .0465 with the work orders stated gauge minimum as .0470. The supervisor of the leveling lines approved this to ship to the customer. The sales person was also notified of the gauge.

Part Spec/PO Audit Form

Cust #	5258	Customer	СТВ	-		Grp/Sz/Grd/Wdth							
Equip/Plant	PWC CR2	Work Order #	CLV 57699 Date		10/9/2015	Part No.	RS18017						
Work	Order Information		Material	to be Used		Actual							
		Tag #1	216018	Tag #2		Gauge #1	.0465,.047,.0465	Gauge #2					
		PO#	21672-001	PO#		% Gauge In Spec	93.60%	% Gauge In Spec					
Gauge Range	0.0470 - 0.0570	Gauge Min	.0464 Min	Gauge Min		Low/High Gauge	0.0461,0.0489	Low/High Gauge					
Width Range	48.0000 - 48.1875	Width	48.0000"	Width		Average	0.0477	Average					
Length Range	120.0000 - 120.5000					Width	48.062,48.093	Width					
Rockwell		Rockwell		Rockwell		Length	120.1250	Length					
Tensile						Rockwell		Rockwell					
Yield		A653 Galvanize	b										
% Elongation		Coil FS-B											
Chem Rqmts		*90 CT Dry											
Other Rqmts		.0464 Min X											
Bow	0.0012	48.0000"				Other							
Flatness	0.0012	1pcs 37,530lbs											
Summary			1	.1	-								
Actions					-								
Final Status					_								

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			Date	10-09-2015			Date	6-01					
Machine # C/2 2	Ordered RB:		Inspected By	and	Duel		Inspected By	Om M	Aur Ko	Jacke			
	Type: GUC-181-PASS Ordered RB:	Flatness Tol: 、	Flatness	2120	121		Flatness	212	c1/>	<120			
Work Order # こうしょく	Type: GJC~	Square Tol:	Square	180	031		Square	03/	031	96			
		Length Tol:	/ ひ Length	120-125	120.125		Length	120.125	120,125	120,125			
CTY	Tag Weight: ろう, ぐよつ	Width Tol:	ر کر Width	190.20	UB. OUL		Width	260.8h	48,093	48,0975		1979) ₆	
Customer:	Tag Weight:	e)	Edge	otes	0 des	a	Edge	0265	odes-	647			
		Gauge Tolerance アーッシン	Crown	Cha	cho		Crown	640	CHO	048		- 	
5	510915	Gauge Toler 、 0 4 7 ~ の 5 つ	Edge	oyles	0465		Edge	0445	0465	547	-		
Date: 0 0-05	Master Tag # えんしい		Skid Tag#	where	Last piece of 1st bundle		Skid Tag#	GUIUS	Uuliun	re ul 20			

Date		
Inspected By	¥	Z
Flatness	\$ 120	2
Square	S'	R
Length	121-121	1 mar
Width	46 wer	しってい
Edge	5	CNO
- Crown	Sino	Sho
Edge	049	CNO
Skid Tag#	Sinon	Last piece of last bundle

Rev. Level 6

11/30/12

JDM 13

AGT400 Coil Summary Report

Jemison Metals -- 75 Inch Red Bud CTL Line

Work Order: 57699 Coil Number: 216018

Customer Name: CTB Heat Number: SHCNLK1574021 Vendor: NLMK

Product: G90 Galvanized Oct-9-15 11:36 AM to 1:13 PM (clock 96.9 min/ run 29.6 min) Shift: 1

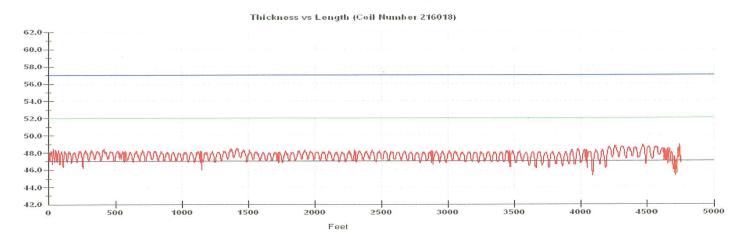
Average	Thickness and Tole	erance Data		
Target	0.0520 in Avera	ge* 0.0477 in		-0.0043 in (-8.31%)
			Standard Deviation*	0.0005 in (0.90%)
Length	4748 ft	Above Hig	h Limit 0.0570 in	0 ft (0.0%)
Width	48.125 in	In Tolera	nce	4444 ft (93.6%)
Weight	37128 lbs	Below Low	Limit 0.0470 in	310 ft (6.4%)
Max Thio Head Sci	ckness 0.0489 in a cap 0 f		Min Thickness 0.0 Tail Scrap	

Statistical Process Control Data

CR	28.2%	(Capability Ratio %, 100/CP)		
CP	3.546	(Process Capability, HiLim-	LoLim/6*Sigma)	
CPK	0.482	(Capability vs Limits)	TMW Ratio	0.986(Low Limit/Avg)

Thickness Distribution Relative to the Target

	+++	0.0%																			G	
	+0.0100	0.0%																				
	+0.0090	0.0%																				
	+0.0080	0.0%																				
	+0.0070	0.0%																				
	+0.0060	0.0%																				
	+0.0050	0.0%																				
	+0.0040	0.0%																				
	+0.0030	0.0%																				
	+0.0020	0.0%																				
	+0.0010	0.08																				
e.	+0.0000	0.0%																	2.8			
	-0.0010	0.0%																				
	-0.0020	0.0%																		S		
	-0.0030	0.0%																				
	-0.0040	33.9%	****	***						*****												
	-0.0050	59.7%	* * * * *	***	*******	****	****	* * * *	* * * * *	*****	****	* * * *	* * * *	* * * *	* * * * * *	* * *	**>					
	-0.0060	6.4%																				
	-0.0070	0.0%																				
	-0.0080	0.0%																				
	-0.0090	0.0%																				
	-0.0100	0.0%																				
		0.0%								0					100.00							
			0	3	6	9	12	2	15	18	21	2	4	27	30		33 %					
	0 0%	is wit	hin	+	0.0020	in	of	the	tar	det	93	6%	is	wit	hin	+	0.0050	in	of	the	targe	t.
	100.0%	15 W11	Inin	T	0.0100	$1 \mathrm{n}$	10	cne	Lar	get	TUL	.08	1S	WIT	'UTU	<u> </u>	0.0200	TU	OL	LUG	Large	L



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