| 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

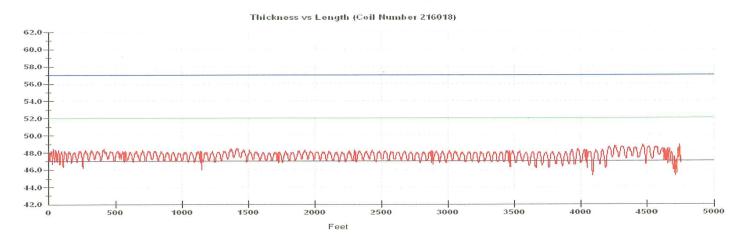
| Average | Thickness and Tole | erance Data | | |
|----------------------|-------------------------------|---------------|---------------------------------|---------------------|
| Target | 0.0520 in Avera | ge* 0.0477 in | | -0.0043 in (-8.31%) |
| | | | Standard Deviation* | 0.0005 in (0.90%) |
| 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