Subject: Cleveland Process Audit

Date: January 15, 2016

Completed By: Steve Busicnki

On January 15, 2016, work order CLV 58755 was ran on the PWC CLO for Jones/Cleveland Hardware. Tag ND68735 was verified prior to loading and use of the coil. The full width of the material was measured with tape measure 7. The coils thickness was measured at both edges and the crown with micrometer Paxson12. All cuts were then measured with calipers SH-1 when first fed through the arbors except the 48" cut where tape measure 7 was used. Thickness was measured again at the end of the job at both edges and the crown before being fed through the arbors using micrometer Paxson12. These procedural checks were completed per CLV-SL-001 procedure and recorded on forms JDM3 and JDM4. Based on the gauge report, 99.80% of the gauge was within the customer range, with 0.20% representing the edge drop off associated with the edge of the steel. Micrometer readings verified material to be within specification.

Measuring Tools:

Calipers – SH-1 last calibration 12/15 calibration due 03/16

Tape – 7 last calibration 09/15 calibration due 09/16

Micrometer – Paxson12 last calibration 12/15 calibration due 01/16

Controlled Documents:

CLV-SL-001 rev date 03/07/13

JDM3 rev date 11/30/15

JDM4 rev date 07/21/11

Part Spec/PO Audit Form

| Cust # | 6500 | Customer | Jones / Cleveland Hardware | | | | | |
|------------------------|-----------------|-----------------|----------------------------|-----------|-----------|--|--|--|
| Equip/Plant | PWC CLO | Work Order # | CLV 58755 | Date | 1/15/2016 | | | |
| | | | | | | | | |
| Work Order Information | | | Material to be Used | | | | | |
| | | Tag #1 | ND68735 | Tag #2 | | | | |
| | | PO# | 22504-001 | PO# | | | | |
| Gauge Range | 0.0700 - 0.0800 | Gauge Min | .0687 Min | Gauge Min | | | | |
| Width Range | 4.745 - 4.755 | Width | 60.0000" | Width | | | | |
| Length Range | Coil | | | | | | | |
| Rockwell | 0.00 - 55.00 | Rockwell | | Rockwell | | | | |
| Tensile | | | | | | | | |
| Yield | | ND68735 | | | | | | |
| % Elongation | | A1008 Cold Roll | A1008 Cold Rolled | | | | | |
| Chem Rqmts | | Coil CS-Type B | | | | | | |
| Other Rqmts | | | | | | | | |
| Olsen | 530 Min | .0687Min X | | | | | | |
| | | 60.0000" | | | | | | |
| | | 1pcs 22,920lbs | | | | | | |
| Summary | | | | | | | | |
| Actions | | | | | | | | |
| Final Status | | | | | | | | |

Part Spec/PO Audit Form

| Grp/Sz/Grd/Wdth | CRC / 0.0700 / CSB / 4. | 7500 | |
|-----------------|-------------------------|-----------------|--|
| Dowt No | CE00/C02EC07EIN442 | | |
| Part No. | 6500/G035C075JM12 | | |
| | | | |
| | Act | :ual | |
| Gauge #1 | .071, .072 | Gauge #2 | |
| % Gauge In Spec | 99.80% | % Gauge In Spec | |
| Low/High Gauge | 0.0694/0.0729 | Low/High Gauge | |
| Average | 0.0713 | Average | |
| Width | 4.7520 | Width | |
| Length | Coil | Length | |
| Rockwell | 52 | Rockwell | |
| Olsen | 580 | | |
| | | | |
| | | | |
| | | | |
| Other | | | |
| | | | |
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Slit Size Inspection

| Date: | 5.16° | | _Work Order: | au | 58755 | |
|---------------------------|--------|------------------|--------------------|--------------|--|---------|
| | Begi | nning | (Paxson | Only) | F | nd |
| Size of Cuts | Width | Mics | Middle | | Width | Mics |
| 48,000 | 48.250 | :011 | | | 48-250 | .51/ |
| 1.500 | 1.501 | | | | 1.501 | |
| 4.750 | 4.752 | 1.072 | | | 4.752 | 1,671.5 |
| | 4.752 | | | | 4.752 | |
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| . 1 | | | | | | |
| | | | Yes*/No** (If Yes, | Description) | | |
| New Conference | | Surface | | , | | |
| Non-Conformance | | Defects Burrs | W _O | | | |
| | | Shape Defects | NO | | | |
| | | • | 70 0 | | | |
| | | | | Initia | als | |
| *Need Resolution, OK'd or | | | | | accessored to the second secon | |
| **No Non-Conformance Pr | esent | | | T.R. | | |

JDM 3

Slitting Order

| Date Run: Compared by the power of the po | | | | | , | | | | |
|--|--|---------------|-------|------------|------------------------------------|------------|-------------|--------------|-------------|
| Date Run: Date Run: Date Run: Date Run: Date Run: Date Run: Date Run: Date Run: Date Run: Date Run: | Date: 1. 15. 16 | | | | Customer: JONES / CLEVE, HAPDINADE | | | | |
| Tag # Gauge & Width Type Tag Wgt. RB Olsen Actual Wgt. Width Mic NDV8735 | Work Order #: | | | Date Run: | | 1 | | | |
| Tag # Gauge & Width Type Tag Wgt. RB Olsen Actual Wgt. Width Mic NDV8735 | | | Incor | ning Inspe | ection Ch | necklist | × | | |
| Cutting Instructions: Cutt @ 48.000 | Tag # | Gauge & Width | | | | | Actual Wgt. | Width | Mic |
| Cutting Instructions: Cut @ 48,000 | | 10687/ | | | 4 | MAN | | | 1071 |
| Cutting Instructions: Cut @ 48,000 | | | · | -8 | 29 | 580 | | | |
| Slit Tolerance: Max O.D: | ` | | | | | | | | |
| Slit Tolerance: Max O.D: | | | | | | | | | |
| Slit Tolerance: Max O.D: | | | | | | | | | |
| Salesman: Special Instructions: 1 Cuts with some defect but okay to ship Cut Size Cut Weight Defect Approved By 2 Cut Size Cut Weight Tag No. or No.'s Reason for Reject 3 Ok to move material for shipment or to Stock Name | Cutting In | structions: | | | | | • | | |
| Salesman: Special Instructions: 1 Cuts with some defect but okay to ship Cut Size Cut Weight Defect Approved By 2 Cut Size Cut Weight Tag No. or No.'s Reason for Reject 3 Ok to move material for shipment or to Stock Name | 1 cu | 1 @ 48.000 | | cuta | 1.500 | |) cuts@ | 4.750 | |
| Salesman: Special Instructions: 1 Cuts with some defect but okay to ship Cut Size Cut Weight Defect Approved By 2 Cut Size Cut Weight Tag No. or No.'s Reason for Reject 3 Ok to move material for shipment or to Stock Name | Slit Tolerance: | 005 | | | Max Skid \ | Ngt: You | 00 | I.D: | 11 |
| 1 Cuts with some defect but okay to ship Cut Size Cut Weight Defect Approved By 2 Cut Size Cut Size Cut Size Cut Weight Tag No. or No.'s Reason for Reject Name | Gauge Range: | 1070 1.0 | 78,7 | | Salesman: | | - | | |
| Cut Weight Defect Approved By Cut Size Cut Weight Tag No. or No.'s Reason for Reject Name | Special In: | | 6 | | | | | | |
| Defect Approved By Cut Size Cut Weight Tag No. or No.'s Reason for Reject 3 Ok to move material for shipment or to Stock Name | 1 Cuts with some defect but okay to ship | | | | | | | Cut Size | |
| Approved By 2 Cuts Rejected Cut Size Cut Weight Tag No. or No.'s Reason for Reject Name | | | | | | 1 | 14 | Cut Weight | |
| 2 Cut Size Cut Weight Tag No. or No.'s Reason for Reject Name | | | | | | /V | // | Defect | |
| Cut Weight Tag No. or No.'s Reason for Reject Name | | | | | | / | , Ce | _Approved B | У |
| Tag No. or No.'s Reason for Reject Name | 2 Cuts Rejected | | | | - | | | Cut Size | |
| Reason for Reject Name | | | | | - | | | Cut Weight | |
| 3 Ok to move material for shipment or to Stock | | | | | 22 | $//\cup$ / | // | Tag No. or N | No.'s |
| | | | | | | | , | Reason for | Reject |
| | | | | | / | /// |)// | _ | 11.3 |
| /////////////////////Date | 3 Ok to move material for shipment or to Stock | | | | · / _ | [4] | AT | Name | <i>į.</i> - |
| | | | | | | | 116/16 | Date | |

AGT400 Coil Summary Report

Jemison Metals -- 60 Inch Loopco Slitter

Work Order: CLV 58755 Coil Number: ND68735

Customer Name: JONESCLEVE Heat Number: NUCNE6516

Product: Cold-Rolled Steel Jan-15-16 11:49 AM to 11:58 AM (clock 8.1 min/ run 7.6 min) Shift: 1

```
Average Thickness and Tolerance Data
           0.0744 in
                          Average<sup>^</sup> 0.0713 in
                                                    Average - Target
                                                                           -0.0031 in (-4.14\%)
  Target
                                                    Standard Deviation^
                                                                            0.0006 in (0.77%)
                1540 ft
                                         Above High Limit
                                                                0.0787 in
                                                                                  0 ft (
  Length
                                                                                           0.0%)
              60.000 in
  Width
                                         In Tolerance
                                                                               1536 ft (
                                                                                          99.8%)
                                         Below Low Limit
  Weight
               22444 lbs
                                                                0.0700 in
                                                                                  4 ft ( 0.2%)
  Max Thickness 0.0729 in at
                                      953 ft
                                                      Min Thickness
                                                                       0.0694 in at
  Head Scrap
                                                     Tail Scrap
  Statistical Process Control Data
  Upper Control Limit
                                           Upper Tolerance Limit
                                                                          0.0787 in
  X Double Bar
                            0.0713 in
                                                                          0.0017 in
                                           R Bar
                            0.0696 in
  Lower Control Limit
                                           Lower Tolerance Limit
                                                                          0.0700 in
         39.3% (Capability Ratio %, 100/CP)
  CP
                 (Process Capability, HiLim-LoLim/6*Sigma)
  CPK
         0.743
                 (Capability vs Limits)
                                                     TMW Ratio
                                                                       0.982(Low Limit/Avg)
  Thickness Distribution Relative to the Target
         0.0%
+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
         0.0%
+0.0000
         0.0%
-0.0010
         0.0%
-0.0020
          7.3%
-0.0030
        40.1%
        50.6% ****
-0.0040
-0.0050
         2.0%
-0.0060
         0.0%
-0.0070
         0.0%
-0.0080
         0.0%
-0.0090
         0.0%
-0.0100
         0.0%
         0.0%
                         6
                                   12
                                        15
                                              18
                                                   21
                                                         24
                                                                    30
                                                                         33
  7.3% is within \pm 0.0020 in of the target
                                                   100.0% is within \pm 0.0050 in of the target
100.0% is within \pm 0.0100 in of the target
                                                   100.0% is within \pm 0.0200 in of the target
                           Thickness vs Length (Coil Number ND68735)
84.0
82.0
80.0
78.0
76.0
74.0
72.0
70.0
68.0
66.0
64.0
                               600
                                                  1000
                                                           1200
            200
                      400
                                         800
                                                                    1400
                                                                              1600
                                                                                       1800
                                                                                                2000
```

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

Feet