

Audit Review and Evaluation of Jemison Metals

**1255 Northgate Drive
Sumter, SC**

Date of Audit: 10/3/16

Auditor(s): Patrick Macias – Quality Manager-Eastern Division

1.0 Summary

This internal audit review provided an evaluation of Jemison Demsey Metals' current level of conformance to ISO 9001, against the current internal audit schedule. The audit measured how effectively the quality management system is implemented in conformance with the applicable requirements and standards (see audit areas underlined in 2.2 below). **Based upon my review, the QMS is effectively implemented.**

Audit Detail/Observations/Findings (Detail listed in table at end of report)

Observation 1 Micrometer M50 was not clearly identified

2.0 Overview

2.1 Personnel Interviewed (Audit evidence found in the Audit Worksheets)

Terry Wright Lori Seamon Sandi Watkins Dennis Stewart	
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2.2 Audited Requirements

4.1 Document and Data Control 4.2 Control of Quality records 8.3 Control of Nonconforming Product 8.11 Corrective and Preventive Action COP 3 Product Realization (Production/Shipping)	SOP 1 Training SOP 3 Control and Monitoring of Test Equipment MOP 2 Continuous Improvement
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2.3 APPROVAL/SIGN-OFF

Report Prepared by

Patrick Macias

Patrick Macias

Date **10/3/16**

Lead Auditor/QMR

Nonconforming Corrective Action Report (CAR) for Jemison-Demsey

[illegible]

W08P 2/20P3JEMISON DEMSEY Internal Audit Process Worksheet

Process Title: Material Owner: Dennis Stewart

Process Controlling Documentation: (Procedures, Work Instructions, Control Plans, Work Orders, Specifications, Flowcharts, etc.)

PM schedule

Related Process Linkages: (Related processes, parties, who/what else supports the process?)

Process Inputs: (Customer requirements, supplies, materials, schedules, plans, documents, etc.)

PM forms and check offs for all lines

Process Outputs: (Documents, records, customer requirements, materials, products, services, etc.)

Downtime (unplanned) Record

Metrics Used to Determine Process Efficiency: (Key QMS measureables)

Delivery Performance

JEMISON DEMSEY Internal Audit Process Worksheet

Audit Evidence / Other Personnel Interviewed	Comments / C=Conforms NC=Nonconforming O=Observation
PM for CTL - 9/24/16	C

Auditor(s): Patrick Macias

Location/Dept.: SWF - Maintenance Date: 10-3-16 Shift: 1st

SUMTER P.M.
Pro Echo CTL 10

UNCOILER

X _____ INSPECT FOR LEAKS AIR/HYD/CHECK BRAKE
X _____ GREASE
X _____ INSPECT MTR. COUPLING
X _____ INSPECT COIL CAR FOR OPERATION
X _____ LUBRICATE COIL CAR
X _____ LUBRICATE TURNSTILE

HOLD DOWN

X _____ LUBRICATE CHAIN
X _____ GREASE

PINCH ROLL

X _____ LUBRICATE GUIDES
X _____ GREASE
X _____ CHECK FOR LEAKS

ENTER HYDRAULIC UNIT

X _____ INSPECT FILTER
X _____ INSPECT FLUID LEVEL
X _____ INSPECT FOR LEAKS
X _____ PRESSURE SET AT 1200 PSI

LEVELER

X _____ INSPECT FOR LEAKS
X _____ INSPECT MT. FILTER / BRUSHES
X _____ INSPECT DRIVE LUBE SYSTEM

DIP TABLE

X _____ GREASE ROLLS
X _____ INSPECT CYLINDER ROD CLEVIS
X _____ INSPECT FOR LEAKS
X _____ INSPECT CYLINDER MOUNTS

SQUARING TABLE

X INSPECT MTR. COUPLING
X LUBRICATE

FEED ROLL

X GREASE / LUBRICATE CYLINDER CLEVIS
X GREASE PILLOW BLOCK BEARINGS
X LUBRICATE BRASS BUSHINGS/SPACERS
X GREASE GEAR BOS
X CLEAN FILTER/ MTR BRUSHES/ CHECK BRAKE
X GREASE UNIVERSALS

HYDRAULIC UNIT

X INSPECT FILTERS
X PRESSURE SET AT 2100 PSI
X INSPECT FOR LEAKS
X INSPECT OIL LEVEL

SHEAR HYDRAULIC UNIT

X INSPECT FILTER
X INSPECT OIL LEVEL
X PRESSURE SET TO 1300 PSI
X INSPECT FOR LEAKS

SHEAR

X LUBRICATE GUIDES
X GREASE / CHECK QUALITY OF CUTS
X INSPECT FOR LEAKS
X CLEAN PHOTO CELL
X CLEAN OIL COOLER

DROP STACKER

X LUBRICATE ACME RODS
X GREASE BEARINGS
X INSPECT FOR CRACKS IN WELDS
X INSPECT FOR AIR LEAKS
X GREASE CYLINDER ROD CLEVIS
X LUBRICATE CYLINDER CLEVIS

PUSHER

X LUBRICATE CHAIN
X CHECK FOR LOOSE BOLTS AND FITTINGS
X GREASE BEARING

PUSHER

X LUBRICATE CHAIN
X CHECK FOR LOOSE BOLTS AND FITTINGS
X GREASE BEARING

ROLL OUT TABLES

X INSPECT SPROCKET AND CHAIN TENSION
X LUBRICATE AND GREASE

COMMENTS

the coil cart controller needs a new cord will get
one on order.



MAINTENANCE PERFORMED BY:



APPROVED BY:

9/24/2016
DATE

Search:			
<u>A large date range will take a while to load</u>			
Start Date:	7/01/2016	End Date:	9/30/2016
Branch:		Job #:	
Choose PWC:	SCT - SUMTER CUT TO LENGTH ▼		
Choose Cus:	All Customers ▼		
Load		Load	

[Export To Excel](#)

				Downtime (in minutes)						
	Job Date	PWC	Tot Hrs	Break	Lunch	Maint	Quality	Process	Order	Billable Hrs
+	7/1/2016	SCT	7.1	0	0	45	0	4	0	6.27
+	7/5/2016	SCT	15.33	15	30	0	0	40	0	13.9
+	7/6/2016	SCT	9.07	0	30	60	0	30	0	7.07
+	7/7/2016	SCT	11.98	15	30	2	0	0	0	11.2
+	7/8/2016	SCT	7.33	0	0	0	0	1	0	7.3
+	7/9/2016	SCT	0.8	0	0	0	0	0	0	0.8
+	7/11/2016	SCT	13.93	30	30	0	0	0	0	12.93
+	7/12/2016	SCT	7.27	15	0	0	0	60	0	6.02
+	7/13/2016	SCT	16.07	15	30	0	45	0	0	14.57
+	7/14/2016	SCT	10.65	0	30	15	45	0	0	9.15
+	7/15/2016	SCT	7.5	0	0	0	0	0	0	7.48
+	7/18/2016	SCT	12.67	15	30	0	0	0	0	11.9
+	7/19/2016	SCT	16.35	15	30	85	20	0	0	13.83
+	7/20/2016	SCT	17.5	15	31	0	15	30	0	15.98
+	7/21/2016	SCT	11.95	15	30	0	0	0	0	11.18
+	7/22/2016	SCT	5.4	0	0	0	0	0	0	5.38
+	7/23/2016	SCT	1	0	0	0	0	0	0	1
+	7/25/2016	SCT	8.13	15	30	0	0	0	0	7.38
+	7/26/2016	SCT	13.57	15	30	0	0	1	0	12.8
+	7/27/2016	SCT	20.18	15	30	1	0	15	0	19.15
+	7/28/2016	SCT	8.93	15	30	0	0	65	0	7.1
+	7/29/2016	SCT	1.82	15	0	0	0	0	0	1.57
+	8/1/2016	SCT	11.65	15	30	0	89	40	0	8.73
+	8/2/2016	SCT	13.57	15	30	55	90	1	0	10.37
+	8/3/2016	SCT	13.7	15	30	0	0	31	0	12.43
+	8/4/2016	SCT	13.38	15	30	0	56	40	0	11.03
+	8/5/2016	SCT	3.9	0	0	0	0	0	0	3.9
+	8/6/2016	SCT	0.33	0	0	0	0	0	0	0.33

+	8/8/2016	SCT	15.13	15	31	0	0	0	0	14.37
+	8/9/2016	SCT	17	15	30	0	0	25	0	15.82
+	8/10/2016	SCT	10.53	15	20	0	20	0	0	9.6
+	8/11/2016	SCT	10.38	15	30	0	0	300	0	4.63
+	8/12/2016	SCT	0.73	0	0	0	0	0	0	0.73
+	8/15/2016	SCT	11.1	15	30	0	0	20	0	10.02
+	8/16/2016	SCT	19.55	15	30	0	0	41	0	18.1
+	8/17/2016	SCT	15.15	15	60	0	0	1	0	13.88
+	8/18/2016	SCT	13.03	15	30	0	20	1	0	11.93
+	8/19/2016	SCT	3.45	0	0	0	0	0	0	3.45
+	8/20/2016	SCT	3.53	0	0	0	0	0	0	3.53
+	8/22/2016	SCT	11.98	0	30	0	30	1	0	10.95
+	8/23/2016	SCT	13.53	15	30	170	0	20	0	9.62
+	8/24/2016	SCT	11.3	15	30	0	0	0	0	10.55
+	8/25/2016	SCT	20.17	0	30	15	370	0	0	13.23
+	8/26/2016	SCT	8.32	0	0	0	60	0	0	7.3
+	8/27/2016	SCT	0.93	0	0	0	0	0	0	0.93
+	8/29/2016	SCT	15.67	15	30	103	10	20	0	12.68
+	8/30/2016	SCT	11.27	30	30	0	0	135	0	8.02
+	8/31/2016	SCT	16.4	30	30	0	60	100	0	12.73
+	9/1/2016	SCT	10.8	0	0	0	0	0	0	10.78
+	9/2/2016	SCT	7.3	0	0	0	0	1	0	7.27
+	9/6/2016	SCT	10.22	15	0	0	0	0	0	9.95
+	9/7/2016	SCT	15.78	15	30	4	35	40	0	13.72
+	9/8/2016	SCT	14.63	15	30	250	0	125	0	7.63
+	9/9/2016	SCT	6.58	0	0	0	0	0	0	6.57
+	9/12/2016	SCT	11.32	0	30	0	0	0	0	10.82
+	9/13/2016	SCT	16.18	15	30	30	15	15	0	14.43
+	9/14/2016	SCT	13.43	15	30	0	60	0	0	11.67
+	9/15/2016	SCT	13.62	15	60	65	0	1	0	11.27
+	9/16/2016	SCT	0	0	0	0	0	0	0	0
+	9/19/2016	SCT	18.13	15	30	0	124	0	0	15.3
+	9/20/2016	SCT	10.4	15	30	0	0	55	0	8.73
+	9/21/2016	SCT	11.35	15	30	0	0	20	0	10.27
+	9/22/2016	SCT	10.52	15	30	0	0	15	0	9.52
+	9/23/2016	SCT	1.57	0	0	0	0	0	0	1.57
+	9/26/2016	SCT	18.15	15	60	0	0	180	0	13.9
+	9/27/2016	SCT	11.87	30	30	0	10	0	0	10.7
+	9/28/2016	SCT	1.85	0	0	0	0	140	0	-0.48
+	9/29/2016	SCT	8.43	15	30	15	0	0	0	7.43
+	9/30/2016	SCT	0.73	0	0	0	0	0	0	0.73
Totals			723.1	720	1462	915	1174	1614	0	624.6

VIEW 4, 2, UMW 6.5, 50R >
JEMISON DEMSEY Internal Audit Process Worksheet

Process Title: Production Owner: Terry Wright

Process Controlling Documentation: (Procedures, Work Instructions, Control Plans, Work Orders, Specifications, Flowcharts, etc.)

Procedure Int-CTL-001 Rev-1

Related Process Linkages: (Related processes, parties, who/what else supports the process?)

Production order 62943

Process Inputs: (Customer requirements, supplies, materials, schedules, plans, documents, etc.)

Inspection Report F0P081

Qo'1 NB58827

Process Outputs: (Documents, records, customer requirements, materials, products, services, etc.)

FG Tag 971613

Master BIS 502797

Metrics Used to Determine Process Efficiency: (Key QMS measureables)

FoP 641-W/O 62943 Tapc 0303, Micrometers used

Delivery Performance

JEMISON DEMSEY Internal Audit Process Worksheet

Audit Evidence / Other Personnel Interviewed	Comments / C=Conforms NC=Nonconforming O=Observation
25' Tape # 03-03 201 Due 5/16/17	C
Microwaves # M50 201 Due 5/30/17	O

Auditor(s): Patrick Macias

Location/Dept.: Summer, Production Date: 10/5/16 Shift: 2nd

30Sep16 10:01

J O B W O R K O R D E R

SMT 6294

Jemison Metals - Sumter

1255 North Gate Drive

Sumter, SC 29154

Tel: 803-481-0707 Fax: 803-481-0713

Job Type LEV Process

PWC SCT

Metric N Cust

Desc 123583 LIBERTY

Due Date 30Sep16 Whs SFG

Setup 00:00 Run 00:44 Prtd By rclar

3:56:15

<<< JOB SPECIFICATIONS >>>

Group CRS Grade DSB Gauge 0.1046 (0.0990 to 0.1102) ID 0.0000

<<< ORDER SPECIFICATIONS >>>

Ord SMT 123583- 1 Cust JD STOCK - GAD Ga 0.1046 Wth 63.4000 Lth 250.0000
Part 1980 Ga 0.1046 Wth 63.4000 Lth 250.0000

Ga Rng 0.0990 to 0.1102 Pc/Tag 15

WthTol + 0.9999 - 0.0000 Wt/Skd

LthTol + 0.5000 - 0.0000 Ty JD1 Pk .

WAVE:0.00-.75

BOW:0.00-.25

<<< PROCESSING INSTRUCTIONS >>>

<Step 1>
Level To: 63.4000 X 250.0000 15 Pcs 7053 LBS 15 Pcs/Tag

<<< MATERIAL TO BE USED >>>

Tag No Whs Gauge Width Length PCS Weight Heat Number Locn

<CRC/12/DSB>

NB50827 SPW 0.0990M 63.4000

1 47720 NUB2607452

4-A

Rmks: CHAMTTON TOOLIN

Total: 1 47720

<<< MATERIAL TO BE SHIPPED >>>

Ord SMT 123583- 1 Cust JD STOCK - GAD Part

A1008 COLD ROLLED SHEET DS TYPE B

Pcs/Tg 15

Bal 15 Pcs

DueDt 04Oct16

7,222 LBS

.1046 Nom X 63.4000" X 250.0000"

Length OD

Pcs Weight

Con Tag Whs Tag No Whs T Gauge Width Length

NB50827 SPW 971613 SFG F 0.1046 63.4000 250.0000

15 7,053

<<< MATERIAL TO STOCK >>>

Cōns Tg Prod Tg Whs Ty Gauge Width Length OD PCS<Prn>Wt PCS<Res>Wt
NB50827 502797 SPW M 0.0990 63.4000 1904 F 58.78 1 40667

<<< JOB RECAP >>>

	PCS	Weight	Scrap	Scrap %	Unactd	Ser %
Material Allocated	1	47,720				
Master Returns	1	40,667				
Returns to Stock						
Work in Process						
Material to be Shipped	15	7,053				
Rejects						
Net Weight to be Produced	15	7,053				

Stain OK
BCWait on skid
45 min



Material Inspection Report

LOCATION

Sumter

DATE

5/30/2017

CUSTOMER

CHAMPION

JOB # SMT

62943

Page 1

	Order Dim		Tolerances		Tolerances		Low Limit		High Limit
Gauge	0.104	-	0.003	+	0.006		0.099		0.110
Width	63.400	-	0.000	+	0.999		63.400		64.399
Length	250.000	-	0.000	+	0.500		250.000		250.500

	Set up Target		Side Type		Skid Type Error		Skid Code		0 3 E
Gauge	0.105				SOPS		Skid Code Error - See		
Width	63.900				JDOI008	JDOI016	JDOI046		
Length	250.250				JDOI014	JDOI034	JDOI032		
							Forman For Skid		
							Code		

Finished Goods Tag	971613								
Master Coil Number									
Heat									
Enhanced Weight									
Gross Weight	7440								
Tare	565								
Net Weight	6875		0		0		0		0
Bundle Status									
Good Pcs.	15								
Scraped Pcs.									
Rockwell									
Gauge Head	E 0.100								
	C 0.101								
	E 0.101								
Body	E								
	C								
	E								
Tail	E								
	C								
	E								
Surface	OK								
Width Head	63.643								
Body	63.643								
Tail	63.643								
Shape	LESS.25								
Residual Check									
Length Head	250.120								
Body	250.120								
Tail	250.120								
Squareness	LESS.12								
Camber									
Operator	TW								
Setup Approval									
Run Time	S		F		Down Time	S		F	
Total Run Time	0:00		Cost		\$0.00		Cst/Hour		\$400.00
Comments	BC OK STAIN ON COIL								

Cell 3

JEMISON DEMSEY Internal Audit Process Worksheet

Process Title: Sales Owner: Sarah Watkins

Process Controlling Documentation: (Procedures, Work Instructions, Control Plans, Work Orders, Specifications, Flowcharts, etc.)

S/O 4 wt 123081

Related Process Linkages: (Related processes, parties, who/what else supports the process?)

Process Inputs: (Customer requirements, supplies, materials, schedules, plans, documents, etc.)

customer Input - consumed -
S/O 4 wt 123081

Process Outputs: (Documents, records, customer requirements, materials, products, services, etc.)

Metrics Used to Determine Process Efficiency: (Key QMS measureables)

Invoice 9-14-16

Delivery Performance

JEMISON DEMSEY Internal Audit Process Worksheet

Audit Evidence / Other Personnel Interviewed	Comments / C=Conforms NC=Nonconforming O=Observation
S/O Sgt 123081	C

Auditor(s): Patricia Mencia

Location/Dept.: Somerset Sales Date: 10-3-16 Shift: 1st

12Sep16 12:39

S A L E S O R D E R

No: SMT PI-12308

Sold By:

Jemison Metals - Sumter
1255 North Gate Drive
Sumter, SC 29154

Tel: 803-481-0707 Fax: 803-481-0713

Ship From:

Jemison Metals - Sumter
1255 North Gate Drive
Sumter, SC 29154

Sold To: (1761)

Amsted Rail
Subsidiary of Amsted Industries Inc
1700 Walnut Street
Granite City IL 62040

Ship To: (1)

Amsted Rail
2580 Frontage Road
Petersburg, VA 23805

Trm NET 30 DAYS

Frt Customer Pick Up

Slp Sandi Watkins

Con

Ord 12Sep16 Due 14Sep16 INVOICING

Via CP

FOB Shipping Point

PO/Rel 4500449283/ITEM10

Tel 804-732-0202 Fax 804-732-4722

S A L E S O R D E R

SO No

SMT PI-12308

Test Certs: Chem Y Phys Y 0 Separate copies with shipment, 0 with Invoice
MUST INCLUDE ROCKWELLS ON CERTS AS WELL AS CHEMS
AND PHYSICALS

1 A 1011 HRPO COIL DS TYPE B

2747 LB

14GA X 1.9290"

Part No 745RF

JEMISON METALS CUSTOMER #310669

<<<----- SPECIFICATIONS ----->>>

	Ga Tol	+	0.0040	-	0.0000	Pc/Tag	ID	MnOD	MxOD	MnWgt	MxWgt
WthTol	+	0.0040	-	0.0040	Wt/Skd	4000	20.00	46.00	54.00	736	107
LthTol	+	0.0000	-	0.0000	Ty J9	Pk					
RB:	30.00-85.00				YLD:	35000.00-45000.00		TENS:	46000.00		
ELONG:	33.00				CAMB:	0.00-.12					

DO NOT USE CARD BOARD

PROCESSING: FIRST PASS MUST BE THREE MULTS TO BE

SLIT TO FINISHED GOODS

PACKAGING:

FORKSIDE UNLOAD THREE ID BANDS.

2" SPACERS BETWEEN COILS.

SLAM SKIDS TO GROUND PRIOR TO USE TO REMOVE SAW
DUST.

PAPER SKID WITH PROTECTIVE PAPER STRIPS THEN FULL
SQUARE OF SHEET PAPER WITH CENTER SLIT TO ALLOW
FOR ID PICKER ACCESS.

NO EXPOSED WOOD TO TOUCH COIL. FULL SHEET OF 72"

WIDE ON TOP OF MATERIAL CENTER SLIT TO ALLOW ID

PICKER ACCESS. ENTIRE TOP OF COIL MUST BE COVERED

SEE PATRICK FOR DETAILS.

MATERIAL	2,747 LBS @	36.5000 CWT E	1,002.66
Sales Amt	1,002.66	Profit Amt	120.62 G.P% 30.02 N.P% 12.03

<<<----- INVENTORY RESERVATIONS ----->>>

POC/14B/DSB/1.9290"	963726	SAR	1 PCS	886 LB
POC/14B/DSB/1.9290"	963727	SAR	1 PCS	932 LB
POC/14B/DSB/1.9290"	963728	SAR	1 PCS	929 LB

Consumed

<u>PART #</u>	<u>COIL #</u>	<u>HEAT #</u>	<u>WEIGHT</u>
745RF	963726	✓1605070	886
745RF	963727	✓1605070	932
745RF	963728	✓1605070	929

121456 7/29

4500 + 49283

CO# 3 JEMISON DEMSEY Internal Audit Process Worksheet

Process Title: Shipping Owner: Lon Seamon

Process Controlling Documentation: (Procedures, Work Instructions, Control Plans, Work Orders, Specifications, Flowcharts, etc.)

transfer order, shipping order, loading order
Planning Board

Related Process Linkages: (Related processes, parties, who/what else supports the process?)

Monthly production call

Process Inputs: (Customer requirements, supplies, materials, schedules, plans, documents, etc.)

Process Outputs: (Documents, records, customer requirements, materials, products, services, etc.)

JP 123583-1, shipping order 123583 - PO 8363

Metrics Used to Determine Process Efficiency: (Key QMS measureables)

Delivery Performance

JEMISON DEMSEY Internal Audit Process Worksheet

Audit Evidence / Other Personnel Interviewed	Comments / C=Conforms NC=Nonconforming O=Observation
T/O 123583	C
Shipping order 123583	C
Loading order 8363	C
B/C 8363	C

Auditor(s): Patrick Maich

Location/Dept.: SWHTR / Shipping Date: 10-3-16 Shift: 1st

1-Items	2-Chg	Hdr	3-Rmks	4-Ord	Tot
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1-Res 2-Change 3-Rmks 4-Incm 5-Specs 6-Cost 7-Hdr 8-Total 9-TO Icm A-Sts