283370

PAGE 1

VMC283370

02/21/18

09:25

CUSTOMER NAME	CUSH, CODE	ROC CODE		Pare Number				S	
DENSO MANUFACTURING TN INC	DENSO	NI	A.	N067817	7-78				
SPARK PLUG DIVISION		E AND IN					ER P.O.		
BNA	HOUSING				,	AN-2025 DO# 803			⁹ w
	GM (GEN		AII.	NG LOAD	, I	DO# 003	00001	5	2033
S.O.DATE NO.OF LBS. NO			CONTAI	Ners e ilyadi	<u> </u>	944	}=#N(###N(
02/21/18 941.00	18,000		45	TOTES	+	Bemp	fles	279 \$	/E
32,00	10/000	SHIP TO):	(865	5) 3	79-5633	FIN		SPECTION BY
DD000000 D10110000						NG TN IN	IC		
PROCESS PARAMETERS:				LUG DIV NSO DRI		ON	ē		
NICKEL (.00008"0004")				TN 373					
						TON I	Q FI P	OR	Î.
		DATE	SHIFT	ODDDARTON	DEPT.	QUANTITY	ВУ	NO.	THICKNESS
		2-21	1	N.	110	Inhola	00		,
		0		0.0	10	941	T11	17	013
		2-22	L	BCD	4	110	IH		.213
		2-22	(E	16	~ KW	2		
				:		,			
								. 6 %	
					34		1.4.1.		
PART AND MATERIAL DESCRIPTION		19.1	02	PCS/LB		52.35 I			
SAE 1010 STEEL X 42.3MM L BODY	X	.83	SQ	FT/LB		43.37 SQ	FT/	M	
15.95MM HEX X M14 THREADS X 13MM L MASKED S/W			102.00 LB/CU FT .05235 PC WT 23.745541 GRAMS/PC 40.292977 SQ CM/PC						
20.713311 GIVEND/10 10.232377 bg OM/10									

REV DATES: STD PROC 11/30/16 MMJ:MMJ 13:13 LOADINGS 06/19/17 JP :JP 16:17 PART SPEC 02/05/18 JP :JP 12:17 LAST ORDER 02/20/18 283315 (6) PREV ORDER 02/19/18 283280 (2)

QUOTE INFO 04/01/16 65264



283370



		4000	1 0						_
	9	ISHOVICKE MANICE		(01/S/11, (00)))R	PROC CODE	PARAL NUMBER		<u> </u>	
		FACTURING TN	INC	DENSO	NI	AN067817-	7870		
SP	ARK PLUG	DIVISION		Part W	AVIE AND INE	RMATION	00870	Mar 2, 0, NO.	00
BN	Ά			HOUSING	- MASI	KED S/W	AN-202	508-00009	$\widetilde{\omega}$
				6,000 P	CS/ PL	ATING LOAD	DO# 80	305013	C
				GM (GEN					C
	#(#);\\\:	NO.OF LIB)	NO OF PERCES	NO.C	ONTAINERS & TYPE		#224XG X0.	
0	2/21/18	941.	00	18,000		45 TOTES		\$/E	

DEPT 16 PRINT LABELS

CODE: DENSO15 04/11/16

LABELING: USE LABEL FORMAT "DENSO"

1. LABELS NEEDED (15 TOTES/LOAD) = 15 X (NO. LOADS) = PACKING:

1. (S.O. WEIGHT / TOTES ON ORDER) X 1.005 = A D LBS PER TOTE PLATED

В. DEPT 04 CLEAN 2 MIN. HOT ACID 3 LOADS @ 313.7 LBS

CODE: DENSO 11/30/16

10.0 VOLT LIMIT

10/05/11

(MAX: 325.0 **************************

CUSTOMER FREQUENTLY SENDS TOTES WITH WRONG PART IN IT. FOLLOW BELOW PROCEDURE AND LOOK CLOSELY FOR MIXED PARTS. *****************************

MATERIAL HANDLING:

- 1. DUMP ORDER INTO TUBAR DUMPER DUMPER MUST BE LINED WITH BELTING.
- 2. TURN SKID SO SHORT SIDE IS FACING FRONT OF TUBAR (3 PANS WIDE SIDE)
- 3. INSPECT THE 6 PANS CLOSEST TO TUBAR TO VERIFY THEY ARE THE CORRECT PART. NOTE: MUST DELIBERATELY LOOK AT EACH PAN FOR MIN. OF 1 SEC.
- AFTER INSPECTING ALL 6 PANS, PULL BAGS UP AND GENTLY DUMP INTO TUBAR.
- 5. THROW AWAY THESE 6 BAGS, PULL LOT CARD FROM BOTTOM OF PAN PUT ALL LOT CARDS IN LABELED BAGGIE.
- 6. STACK THE EMPTY PANS TO THE SIDE.
- 7. REPEAT STEPS 3-6 UNTIL THAT SIDE OF SKID IS EMPTY.
- 8. THEN ROTATE SKID 180 DEG. AND REPEAT STEPS 3-6 UNTIL SKID IS EMPTY.

CLEANER LINE SET UP:

- 1. CLEANER VOLTAGE: 10 VOLTS
- 2. UP BARREL ROTATION:
- 3. BBL SPEED: SETUP "1"
- 4. ACID: 2 MIN. HOT

NOTE: ACID CHECK A PART THAT USES THIS CODE ONCE PER SHIFT. SHOW FOREMAN THE ACID CHECK.

DEPT 04 NICKEL STRIKE

11/30/16

3 LOADS @ 313.7 LBS 482 AMPS 16 MIN. @ 3 RPM 10.0 VOLT LIMIT

06/19/17

(MAX: 325.0 500 16 1.9 .13

D. DEPT 04 NICKEL PLATE **** HIGH RELIABILITY **** CODE: DENSO 04/11/16 3 LOADS @ 313.7 LBS 185 AMPS 200 MIN. @ 2 RPM 7.0 VOLT LIMIT

01/20/17

(MAX: 325.0 192 200 .7 1.20)

DO NOT CHANGE VOLT LIMIT - DO NOT CHANGE VOLT LIMIT *****************

NICKEL LINE SET UP:

1. LANE SETUP:



283370





09:25

	FACTURING TN INC	C DENSO	PROC CODE PART NUMBER NI ANO 67817 ME AND INFORMATION		
BNA		HOUSING	- MASKED S/W CS/ PLATING LOAD	AN-202508-0000 DO# 80305013	9 3
02/21/18	NO.OF LBS. 941.00	NO. OF PIECES 18,000	NO. CONTAINERS & TYPE 45 TOTES	SHIPPING NO.	

2. UP BBL ROTATION: "OFF"

POST DIP & DRYING PROCEDURE:

- 1. **** RECLEAN AFTER NICKEL ****
- 2. BELTING REQUIRED WHEN UNLOADING INTO HARSHAW DRYER BASKETS
- 3. DIP DRYER BASKETS IN FINISH AID CROCK AFTER UNLOADING

INSPECTION:

APPEAR: 1. PARTS SHOULD HAVE VERY GOOD BRIGHTNESS

THICK: 1. CHECK 5 PCS ON 1ST LOAD ONLY IN CENTER OF HEX

> 2. DIR: DENSO PRODUCT = P/N

3. TARGET MEAN = .190 - .240, ALL CHECKS BETWEEN .100 - .330

1. CRIMP/BEND 5 PCS/LOAD AND INSPECT USING MAGNIFYING GLASS. ADHES: FOREMAN OF ANY PCS WITH POOR ADHESION. DO NOT BEND MASKED TABS.

2. IDENTIFY & SAVE ALL SAMPLES ON WIRE RING FOR EVALUATION BY Q.C.

MATERIAL HANDLING:

- 1. WEIGH INTO TOTES PER OPER. "A" PLACING 1 VMS LABEL ON TOP OF EACH TOTE LAST TOTE COULD BE HEAVY OR LIGHT. MAKE SURE TOTE ON TOP LAYER. OKAY TO BORROW PIECES FROM OTHER TOTES ON LOAD TO GET WEIGHT CLOSE
- 2. EACH TOTE MUST ALSO HAVE A "KANBAN" CARD IN TOTE CLIP
- 3. PLACE LABELED BAGGIE OF LOT TAGS IN ONE PAN ON TOP LAYER.
- DEPT 16 FINAL INSPECT DENSO SHELLS

CODE: NIDENS 09/05/14

APPEAR: 1. PARTS MUST HAVE VERY GOOD BRIGHTNESS

RECORD SCORES > 0 IN EXCEL ADHES: 1. INSPECT CRIMPS/BENDS (IF APPLICABLE).

2. ALL SCORES MUST BE < 10. SEE Q.C MANAGER IF SCORES > 10

1. MEAN MUST BE .150 - .300 & ALL CHECKS .080 - .400, RECHECK THICK. THICK:

IF PARAMETERS ARE NOT MET

Fischerscope® XRAY XDVM-W

Variand Metal Service

3231 Fredonia Avenue Cincinnati, Ohio 45229-3394

AN067817-7870

Operator: 136

Shop Order No. 238370

Load No. 1

N 0.	.080	0.400 Ni[mils]
1	•	0.191
2	•	0.237
3	. •	0.236
4	•	0.194
5	•	0.208

Mean	0.213	mils
Standard deviation	0.022	mils
Range	0.045	mils
Number of readings	5	
Min. reading	0.191	mils
Max. reading	0.237	mils
Measuring time	10	sec

Date: 2/22/2018 Time: 8:46:10 AM

Block Number: 1029

DENSO:AN067817-7870

X-ray # 2