

Faculty Of Engineering Department Of Textile Engineering

Study On

Analysis of Sewing Faults in a knit Garment Industry

Course Code: TE-4214 Course Title: Project (Thesis)

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A thesis in partial fulfillment of the requirements for the degree of **Bachelor Of**Science in Textile Engineering

Advanced in Apparel Manufacturing Technology Summer, 2021

Acknowledgment

First of all, We'll be grateful to Allah who gave us the power and the opportunity to accomplish this project.

We are sincerely grateful to our supervisor, Mst. Murshida Khatun, Assistant Professor, Department of Textile Engineering, Faculty of Engineering, Daffodil International University. She has helped us in every way to finish this thesis. Her endless patience, continual encouragement, energetic supervision, valuable advice reading may inferior draft and correcting these at all stages have made it possible to complete this project.

We might also want to thank every one of our teachers, lab assistant, registrar sir, coordinator, and every one of the representatives of Daffodil International University. We are exceptionally enchanted to offer our respects and thanks to the Honorable Head Mr. Md. Mominur Rahman for offering his best help to us.

Finally, we would like to express a sense of gratitude to our beloved parents and friends for their mental support strength, and assistance throughout writing this project report.

Declaration

We hereby declare that this project has been done by us under the supervision of Mst. Murshida Khatun, Assistant Professor, Department of Textile Engineering, Faculty of Engineering, Daffodil International University. We also state that neither this project nor any part of this project has been submitted is elsewhere for the award of any degree or diploma.

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Letter Of Approval

17 September 2021

To,

The Head

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102, Sukrabad, Mirpur Road, Dhaka 1207

Subject: Approval of Project Report Of B.Sc in TE program

Dear sir,

I am just writing to let you know that this project report titled as **Study on Analysis of Sewing Faults in a knit Garment Industry** has been prepared by the student bearing ID 173-23-5206 and 181-23-5206 is completed for a final evolution. The whole report is prepared based on the proper investigation and information. The student was directly involved in their project activities.

Therefore, it will highly be appreciated if you kindly accept this project report and consider it for a final evolution.

Yours Sincerely,

A) NE

.....

Mst. Murshida Khatun

Assistant Professor

Department of Textile Engineering

Daffodil International University

Abstract

Sewing methodology is one of the most important stages in the creation of garments. During the assembly process in the sewing system, a few faults or deformities may occur, resulting in a low quality of the clothing item. Some issues are recoverable, while others are not. Sewing flaws can be the cause of slower production rates, which are no longer appealing for clothing ventures. These flaws also cause delays in shipment, which affects the lead time. The impact of causing flaws has a direct impact on lead time and shipment. The examined had done by us and viewed one several pieces of clothing ventures couple of days for sewing issues, which are as often as possible occurring all through generation activity process through the specialist. During the investigation, the term was discovered of broken stitches, skipped stitches, open seams, and other sewing flaws at Texeurop (BD) Ltd. Join stitch, Uncut threads, Uneven stitch, Fabric Faults, Puckering, Shading, Damage, Size Mistake, Up-down, Raw Edge were discovered. The primary goal of this research is to determine whether the knitwear manufacturing process is under control in a knitwear manufacturing organization, to identify the technique with the lowest possible cost of sewing flaws in the stitching procedure, and to make recommendations for improving quality control.

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1 Chapter-I

Introduction

1.1 Objectives

- To fixing the objective of the assembling interaction of the T-shirt
- To understand the activity succession of the creation cycle of the T-shirt
- To think about the legitimate quality upkeep of T-shirt producing
- To know the prerequisite of various purchasers of T-shirt fabricating
- To think about the creation quality
- To know the about various kinds of assembling cycles of T-shirt

1.2 Limitation

- We gather just single industrial facility information for the investigation
- At times they can't impart their information to us so we can't gather appropriate information
- Workers are occupied with their work so they can't help as expected
- Absence of data because of time likewise for organization rules
- Absence of availability for understudies in the production line

2 Chapter-II

Literature Review

2.1 What is T-Shirt?

A T-shirt, or tee-shirt, is a style of fabric shirt named after the T shape of its body and sleeves. Traditionally, it has short sleeves and a round neckline, known as a crew neck, which lacks a collar.



Figure 2-1 (T-Shirt)

2.2 Types of Fabric Used

- Cotton
- Combed Cotton
- Organic Cotton
- Supima Cotton
- Polyester
- Linen
- Rayon
- Modal
- Blends
- Tri-blends

Cotton

There are so many fabrics to choose from for making a custom T-shirt. However, out of all the fabric options out there, cotton is still by far a favorite. Cotton is such a great fabric to work with because it is a strong material that still feels soft to the touch. Cotton is also one of the more affordable materials available. The only real negative to this versatile fabric is that it does wrinkle easily. Wrinkling of the fabric may prove difficult during the custom printing process. Within the category of cotton, there are various subcategories to choose from as well. Each of these has its own set of characteristics.

Combed Cotton

Combed cotton is a favorite because it is softer than other types of cotton. This softness comes from the production process in which the fibers are treated before they get spun into yarn. The drawback of combed cotton is the price. This kind of cotton is more expensive than other types of cotton.

Organic Cotton

Organic cotton is another type of cotton with a higher price tag than basic cotton. There are fewer pesticides and fertilizers used in the production process of organic cotton. This method of production is better for the environment than other cotton production techniques because it allows the soil to maintain its fertility and does not use unnecessary toxins.

Supima Cotton

Supima cotton is considered to be one of the highest quality types of cotton. This material is ultrastrong and resistant to fading, stretching, and pilling. The more you wash it, the softer it gets.

Polyester

Polyester is a synthetic fiber that is a common fabric for T-Shirts. Polyester is the material you will need to make a custom print through dye sublimation. Polyester has a lot of great qualities. It is easy to wash, dries fast, and does not require ironing. This fabric is strong and keeps its shape well over time. For this reason, polyester is a great choice for athletic clothing.

Linen

The linen is light and airy fabric... The only real downside to linen is that it gets wrinkled super easily. For T-shirts, linen is not as popular of fabric as cotton and some of the other fabrics out there. Linen is used more often for jackets and lightweight outer layers.

2.2.1 Fabric Characteristics

Stretch

The material ought to have the normal stretching ability. They are generally utilized for easygoing wear, and the exercises required some level of stretch. Those that don't stretch a great deal will make somebody agreeable except if they are huge.

Weight

The best weight ought to be medium to adjust between warmth and flexibility. The casual activities don't need a massive option and realizing how to adjust this is essential. T-shirts are made of slightly lighter material.

Drape

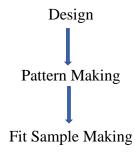
A decent drape implies style. The material ought not to compromise the style and consequently drape ought to be a factor to consider. Guarantee the material isn't influenced by essential washing systems. Be that as it may, in case there is guidance on the most proficient method to wash the fabric, it ought to be followed definitely to keep the quality material.

2.3 Garments Manufacturing

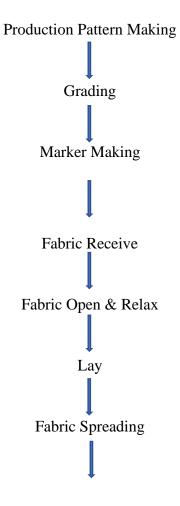
A complete garment needs to confront a few cycles from its request getting to shipment. During garments manufacturing, an interaction stream diagram should be expected to complete a request without any problem. Additionally, an interaction stream outline assists with understanding a garment manufacturing strategy that how the crude materials are changed over into wearable garments.

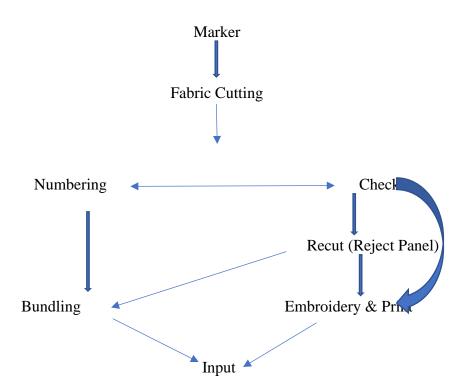
2.4 The manufacturing Process sequence of the T-shirt

2.4.1 Pre-production process

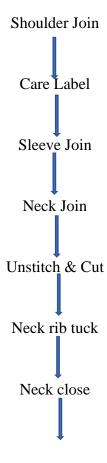


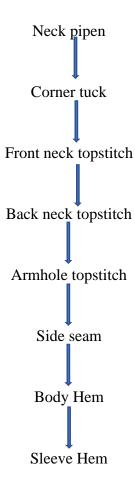
2.4.2 Cutting Process



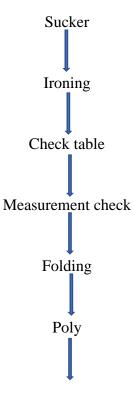


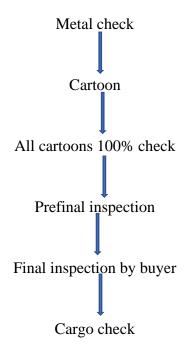
2.4.3 Sewing Process





2.4.4 Finishing Process





2.5 Quality Control

Quality meant a degree of excellence.

2.6 Quality Control in Garment Industry

From the first stage of obtaining raw materials through the last stage of a produced garment, garment quality control is practiced in the garment business.

Quality means that customer requirements must be met. Therefore it can be unsuccessful not to maintain a sufficient quality standard. However, maintaining a high standard of quality also takes time and energy. The first study to find out, through the processes of design, specification, controlled production, and sales, what potential customer wants for a new product.

2.7 A different section of quality checking in garments manufacturing

QC/QA Garments Checkpoints: There are four parts of the manufacturing process, which may cause manufacturing defects, which are cutting, cutting, washing, and finishing sections and some criteria have to be reviewed by the QC team in the quality of the garments. This article shows clearly the quality control criteria of all quality control points in the factory and the quality requirements of the clothing. I hope you have a good idea of garments quality control points and their quality control after reading this.

Quality control in garments manufacturing are operated in the different sector

- Cutting section
- Sewing section
- Washing section
- Finishing section

The various stages of garments manufacturing where in-process inspection & quality control is done

- Fabric inspection
- Inspection in fabric cutting section
- Inspection in the sewing section
- Inspection of washing section
- Inspection in finishing section

2.7.1 Cutting Process Quality Check Point

- **Fabric upside down:** Make sure the fabric is not upside down.
- **Fabric Skewing:** A maximum skewing of 2 cm for the chest of 60 cm is acceptable, but not more. This defect can be solved by re-setting of the fabric at the fabric mill.
- **Relaxation:** Before cutting, knitted, elasticized woven fabrics should be suitably relaxed for around 12~24 hours or more, depending on the type of fabric. Relaxation is mandatory for stretch fabrics.
- The height of the cutting pile: The higher the pile on the cutting table, the more chance the cut pieces are unequal in size. This can lead to size specification & fitting problems. Make sure the height is suitable for the type of fabric (usually 2~3 inches and never more than 5 inches).
- **Numbering and bundling:** Make sure the different parts are properly numbered to avoid shading and that this numbering can be easily removed after sewing is complete.
- **Storing:** Make sure the different parts are properly stored, for example, rolled, and not folded.

2.7.2 Sewing Process Quality Check Point

- **Critical operations**: Check all critical operations repeatedly (like the sewing of the neck-seam, armhole, cuff, placket, etc.), so the operator gets the clear input of what is required and how to make it correctly before large quantities of garments are finished.
- Attaching label should be correct as per the size of 100% garments
- Checking bonding strength of interlining in the fusing process.
- **Seam allowance:** check operators repeatedly on this point to make sure they use the correct seam allowance.
- **Numbering:** Make sure the sewing operatives keep parts with the same number together to avoid shading.
- Confirm Garments' styling construction and measurement are correct as per the approved sample.

2.7.3 Washing Process Quality Check Point

- Washing method: normal wash, stone wash, sand wash, or enzyme wash.
- Bleaching method: stone bleach, garment bleach
- Any special process. E.g. over-dye after the washing process
- The color tone of the blue yarn
- The whiteness of the white yarn
- **Resultant color tone:** bluer or yellowish
- Rubbing effect: contrast on the blue yarn and white yarn
- Evenness on the blue and white parts
- Hand-feel
- Record the identification of the sealed sample, quality standards on the final inspection report to ensure QC check the bulk according to the correct standards.
- Tick and sign all quality standards as an indication of proper QC checking.
- QC should not release the shipment if they find the following major faults.
- Color out of the approved shade band
- Fabric flaws and washing marks over 1" on the garment zone above the knee
- Fabric flaws and washing marks over 3" on any part of the garment

2.7.4 Finishing Process Quality Check Point

- Button attaching and button
- Pressing
- Full Garments quality check
- Packing and carton

2.7.5 Button Attaching and Button

- Snap button too loose / too strong
- Snap button not closing properly / broken
- Missing poly washer for snap buttons
- Button coming off
- Fabric not strong enough to hold the button
- Mark from molding
- Paint damaged
- Rust
- Text on button not straight
- Wrong position / not in line with counterpart / incorrect spacing
- Button shank missing when required
- Buttonhole too big or too small
- Buttonhole not clean / badly stitched/ losing shape / stitched with wrong thread quality
- Spare button missing or put in the wrong position

2.7.6 Check Pressing

• Shiny marks

- Not pressed or improperly pressed
- Should avoid the press and fold the pigment-dyed fabrics before garment washing entirely. It is because it will leave a visible mark on the garment after washing. After sewing, put the garments on a hanger until washing starts.

2.7.7 Full Garments Quality Check

- Checking full garments workmanship defects
- Measure 100% garments to assure fittings
- Heat seal peeling off
- Confirmation quality check of final garments product

2.7.8 Packing and Carton Quality Check

- Correct ticketing and placement
- Packing accuracy of quantity, assortment, and folding
- Correct carton selection as per customer requirement
- Packaging, sealing, binding, and barcode checking

2.7.9 Final Inspection Quality Check Points

After completing the carton, Garments buyer QC does a Final quality inspection, evaluates final product quality. Final Audit or inspection is the most important factor for a garment factory. Final Audit is the final judgment of product quality from the buyer, the inspection calibrates overall garments factory quality controlling. Without passing a final inspection, garments cannot be shipped. A final inspection report is the quality certificate from a garments buyer that gives a certificate of a factory about their finished product quality that allows or rejects to ship garments. There are specific quality checking points of a finished garments final audit, here I have given these below.

2.8 Quality Inspection Criteria's are of Final Audit

- Workmanship
- Appearance
- Measurement/Fittings
- Materials
- Accessories
- Finishing/Packing

2.8.1 Workmanship

- Fusing
- Open seam
- Broken stitch
- Miss/Skip Stitch
- Mending
- Seam grinning

- SPI incorrect
- Needle damage/cut/holes
- Puckering/Twisting
- Stripes/Plaid Mismatching
- Stepping or Hi-low
- Misaligned/Insecure Buttons
- Crooked stitching
- Raw edge
- Looseness/Knots
- Buttonhole
- Incorrect tension
- Main Label open/slanted
- Contrast thread visible
- Loop slanted

2.8.2 Appearance

- Loose/uncut thread
- Dirt mark
- Oil stain
- Garment damp
- Crushed
- Pressing
- Shinning
- Wrinkle

2.8.3 Measurement/Fittings

• Out of tolerance any measurement points

2.8.4 Materials

- Body fabric way
- Contrast fabric
- Print/Dyeing Fault
- Color Shading
- Bald Patches
- Holes or Cuts
- Yarn Runs
- Slubs
- Color fly / Foreign yarn

2.8.5 Accessories

- Thread/ Yarn
- Main Label

- Care Label
- Zipper
- Tapping/Capping
- Screenprint / Embroidery
- Buttons/Snaps/Rivets
- Velcro
- Elastic
- Finishing/Packing
- Assortment
- Carton Marks
- Polybag printing
- Hangtag
- Price ticket
- Barcode
- Carton Barcode

3 Chapter-III Experimental Details

3.1 Hourly Quality Check Report:

3.1.1 Day 1:

Report 1:

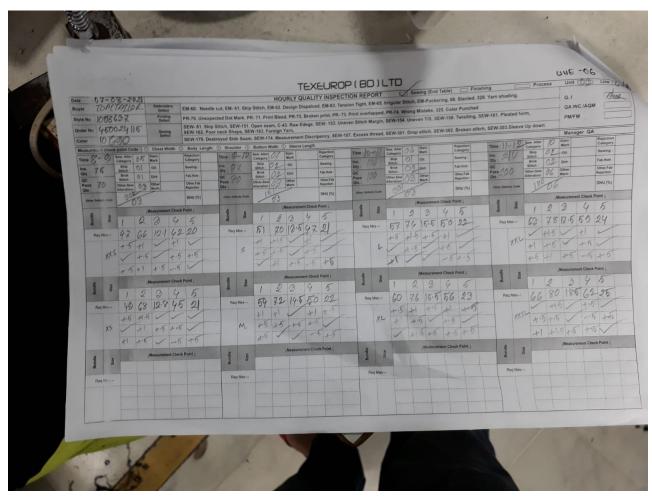


Figure 3-1(Report 1)

Sewing Faults per hour

Time: 9-10

Rejection Category

Stain Mark

Sew. Alter Category Sew. Alter Categor

Stain Mark Rejection Category

			Ins Qty		kip itch	1	Oi			Sewing		Ins C		Skip Stitch	2	Oil			Sewi	ng							
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			Qc		rok itch	2	Dir	t		Fabric Hole		Qo		Brok Stitch	2	Dirt			Fabi Hol								
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		+.5	+1	+.5	5	٧			٧	+1	+.5	5	+.5			+1	+ √	٧	.5	+.5			+.5	+1 +	+.5	.5	+.5
4)		Mea	surem	ent Ch	neck P	oint	4)		Mea	surem	ent C	neck F	oint	4)		Лeası	urem	ent C	heck		4)				ent Ch	neck P	
Bundle	Size						Bundle	Size						Bundle	Size						Bundle	Size					
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Req N	vles:	+.5	+1.5	 12	4 5	< 21	Req	Mes:	t+ 54	+1	< 14	0 <u>9</u> 1	5. ₊	Req	Mes:	09 +.5	92 7	÷ 16	÷ 26	÷ 23	Req	Mes:	99 >	08	4 18	-5 +.5	< 25
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Report 2:

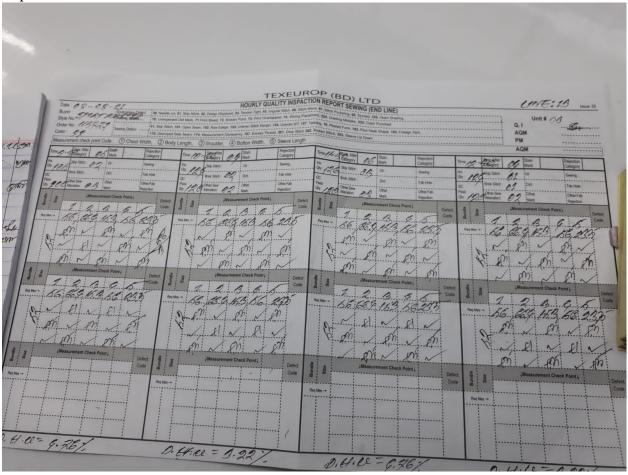


Figure 3-2(Report 2)

Sewing Faults per hour

Time: 9.30	Sew. Alter Category	5	Stain Mark	Rejection Category	Time: 10.30	Sew. Alter Categor	4	Stain Mark	Rejection Category	
Ins Qty 105	Skip Stitch	2	Oil	Sewing	Ins Qty 124	Skip Stitch		Oil	Sewing	
Qc Pass	Brok Stitch		Dirt	Fabric Hole	Qc Pass	Brok Stitch	2	Dirt	Fabric Hole	
Qty 200	Other Sew Alteration	3	Other Mark	Other Fab Rejection	Qty 120	Other Sew Alterati	2	Other Mark	Other Fab Rejection	
Other Defect Codes				DHU%	Other Defect Codes				DHU%	
Time: 11.30	Sew. Alter Category	6	Stain Mark	Rejection Category	Time: 12.30	Sew. Alter Categor y	4	Stain Mark	Rejection Category	
Ins Qty 126	Skip Stitch	3	Oil	Sewing	Ins Qty 124	Skip Stitch	1	Oil	Sewing	
	Brok Stitch		Dirt	Fabric Hole		Brok Stitch	1	Dirt	Fabric Hole	
Qc Pass Qty 120	Other Sew Alteration	3	Other Mark	Other Fab Rejection	Qc Pass Qty 120	Other Sew Alterati on	2	Other Mark	Other Fab Rejection	
Other Defect Codes				DHU%	Other Defect Codes				DHU%	

e G		Mea	surem	ent Ch	neck P	oint	dle		Mea	surem	ent C	heck F	oint	dle		Лeas	urem	ent C	heck	Poin	dle		Meas	surem	ent Ch	neck F	oir
Bundle	Size	1	2	3	4	2	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	2	Bundle	Size	1	2	3	4	ι
Req	Mes:	99	66.4	15.3	99	53.3	Req	Mes:	99	66.4	15.3	99	53.3	Req	Mes:	26	66.4	15.3	99	53.3	Req	Mes:	99	66.4	15.3	26	
		+.3		+.3	٧	+.3			_		٧	+.3	٧			+.3	٧	+.3	٧	+.3			٧	+.3	٧	+.3	
		٧		٧	+.3	٧			+.3	_	+.3	٧	+.3			٧	+.3	_	+.3	٧			+.3	٧	+.3		+.3
		+.3	٧	+.3	٧	+.3			٧	+.3	٧	+.3	٧			+.3	٧	+.3	٧	+.3			٧	+.3	٧	+.3	٧
۵		Mea	surem	ent Ch	neck P	oint	e e		Mea	surem	ent C	heck F	oint	a		Иeas	urem	ent C	heck	Poin	a		Meas	surem	nent Ch	neck F	oin
Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	u
Req	Mes:	99	66.4	15.3	99	53.3	Req	Mes:	99	66.4	15.3	99	53.3	Req	Mes:	56	66.4	15.3	56	53.3	Req	Mes:	56	66.4	15.3	56	5 2 2
		٧	+1	٧	+1	٧			+.3	٧	+.3	٧	+.3			٧	+1	٧	+1	٧			+.3	٧	+.3	٧	+.3
		+.3		+.3	٧	+.3			٧		٧	+1	٧			+.3	٧	+.3		+.3			٧	+1	٧	+1	٧
		٧	+.3	٧	+.3	٧			+.3	٧	+.3	٧	+.3			٧	+.3	٧	+.3	٧			+.3	٧	+.3	٧	+.3
		Mea	surem	ent Ch	neck P	oint	۵,		Mea	surem	ent C	heck F	oint			Иeas	urem	ent C	heck	Poin	a)		Meas	surem	ient Ch	neck F	oin
Bundle	Size						Bundle	Size						Bundle	Size						Bundle	Size					
Req	Mes:						Req	Mes:						Req	Mes:												
																											_
																											<u> </u>

Report 3:

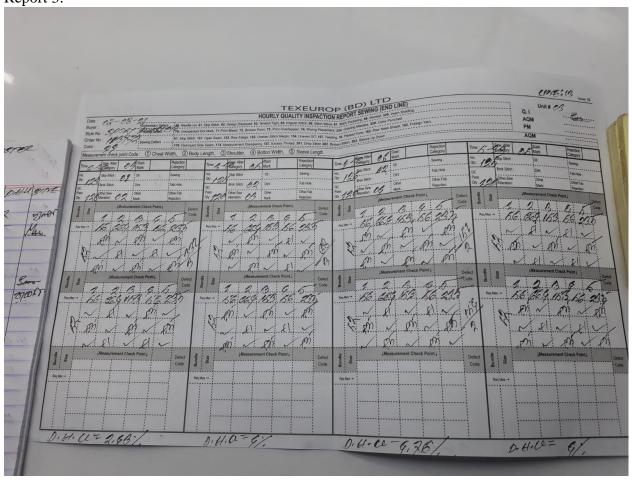


Figure 3-3(Report 3)

Sewing Faults per hour

Time: 2-	Sew. Alter Category	3	Stain Mark	Rejection Category	Time: 3-	Sew. Alter Categor V	5	Stain Mark	Rejection Category	
Ins Qty 123	Skip Stitch	1	Oil	Sewing	Ins Qty 125	Skip Stitch		Oil	Sewing	
Qc	Brok Stitch		Dirt	Fabric Hole	Qc Pass	Brok Stitch	2	Dirt	Fabric Hole	
Pass Qty 12	Other Sew Alteration	2	Other Mark	Other Fab Rejection	Qty 120	Other Sew Alterati	3	Other Mark	Other Fab Rejection	
Other Defect Codes				DHU%	Other Defect Codes				DHU%	
Time: 4- 5	Sew. Alter Category	6	Stain Mark	Rejection Category	Time: 5- 6	Sew. Alter Categor y	5	Stain Mark	Rejection Category	
Ins Qty 126	Skip Stitch	2	Oil	Sewing	Ins Qty 125	Skip Stitch		Oil	Sewing	
	Brok Stitch		Dirt	Fabric Hole		Brok Stitch		Dirt	Fabric Hole	
Qc Pass Qty 120	Other Sew Alteration	4	Other Mark	Other Fab Rejection	Qc Pass Qty 120	Other Sew Alterati on		Other Mark	Other Fab Rejection	
Other Defect Codes				DHU%	Other Defect Codes				DHU%	

<u>e</u>		Mea	surem	ent Cl	neck P	oint	le		Mea	surem	ent C	heck F	oint	le		Иеаs	ureme	ent C	 heck	Poin	<u>le</u>		Meas	surem	ent Ch	neck P	oint
Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5
Req	Mes:	56	66.4	15.3	56	53.3	Req	Mes:	56	66.4	15.3	56	53.3	Req	Mes:	56	66.4	15.3	56	53.3	Req	Mes:	56	66.4	15.3	56	53.3
		+.3	٧	+.3	٧	+.3			٧	+.3	٧	+1	٧			+.3	٧	+.3	٧	+.3			٧	+1	٧	+1	٧
		٧	+1	٧	+1	٧			+.3	,	+.3	٧	+.3			٧	+.3	_	+.3	٧			+.3	٧	+.3	٧	+.3
		+.3	٧	+.3	٧	+.3			٧	+.3	٧	+1	٧			+.3	٧	+.3	٧	+.3			٧	+1	٧	+1	٧
۵,		Mea	surem	ent Cl	neck P	oint	a)		Mea	surem	ent C	heck F	oint	a)		Иeas	ureme	ent C	heck	Poin	a)		Meas	surem	ient Ch	neck P	oint
Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	8	4	5
			66.4	5.3		ĸ.				66.4	5.3		3.3				66.4	5.3		.3				66.4	5.3		3.3
Req	Mes:	. 56		1	. 26		Req	Mes:			1	. 56	5	Req	Mes:	. 56		1	. 56	. 53	Req	Mes:			1	. 56	2
		٧	+1	٧	+1	٧ - 2			+.3	_	+.3	٧	+.3			۷	+1	_	+1	٧			+.3	٧	+.3		+.3
		+.3 √	۷ +1	+.3 √	√ +1	+.3 √			٧ +.3		√ +.3	+1 √	√ +.3			+.3 √		+.3 √	√ +.3	+.3 v			v +.3	+1 √	√ +.3		√ +.3
		V	71	V	Τ1	V			۲.5	V	۲.۵	V	۲.۵			V	⊤.3	V	٦.٥	V			⊤.3	V	⊤.3	V	+.5
		Mea	surem	ent Ch	neck P	oint			Mea	surem	ent C	heck F	oint			Иeas	ureme	ent C	heck	Poin			Meas	surem	nent Ch	neck P	oint
Bundle	נח						Bundle	a)						Bundle							Bundle	נח					
Bui	Size						Bui	Size						Bui	Size						Bui	Size					
Req	Mes:						Req	Mes:						Req	Mes:												

Report 4:

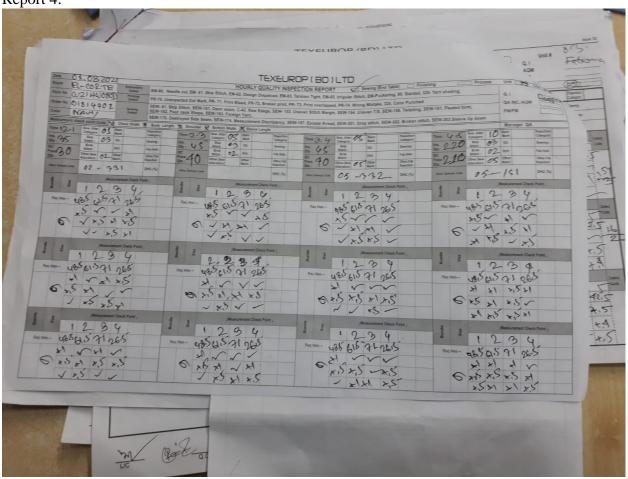


Figure 3-4(Report 4)

Sewing Faults per hour

			Time: 12-1	Sew.		5	Stair Marl			jection tegory		Time: 2-	Sew. Alter Categor	5	Stain Mark		Rejection Category						
			Ins Qty 35	Sk Stit		3	Oil		Se	ewing		Ins Qty 45	y Skip Stitch	3	Oil		Sewing						
			Qc	Br Stit			Dirt			abric Hole		Qc	Brok Stitch	2	Dirt		Fabric Hole						
			Pass Qty 30	Other Alter		2	Othe Mar			ner Fab jection		Pass Qty 40	Other Sew Alterati		Other Mark		Other Fab Rejection						
			Other Defect Codes			2/33	31		D	HU%		Other Defect Codes					DHU%						
			Time: 3	Sew.		5	Stair Marl			jection tegory		Time: 4- 5	Sew. Alter Categor y	10	Stain Mark		Rejection Category						
			Ins Qty 45	Sk Stit			Oil		Se	ewing		Ins Qty 220	Skip Stitch	3	Oil		Sewing						
				Br Stit			Dirt			abric Hole		Qc	Brok Stitch	2	Dirt		Fabric Hole						
			Qc Pass Qty 40	Other Alter		5	Othe Mar			ner Fab jection		Pass Qty 210	Other Sew Alterati on	5	Other Mark		Other Fab Rejection						
			Other Defect Codes			5/33	32		D	HU%		Other Defect Codes		5/1	51		DHU%						
Bundle	Size	Mea 1	sureme		eck Po	int	Bundle	Size	Meas 1 2			eck Poir	Bundle	Size		rement	Check Poir	Bundle	Size	Mea:	sure me	nt Check	Point
Reg		_	61.5		26.5	\dashv			48.5 6			26.5	Req		_	2 61.5 71		-	Mes:	48.5	61.5		5
'		+.5	. 1		+1		ij		+.5 V		_	+.5				V V	٧	1		+.5		-1 √	
	6	√ √		_	+.5	_		_		·1 + ·.5 √	-+	V V	_	6		+1 +1 +.5 +.	+ + + -		6	√ +1	+1 + +.5 v	+.5 +1 / +.5	
		V	<u> </u>	1.5	'1	1			<u>v .</u>	. <u></u>		<u> </u>	+			1.5 1) V			'-	<u> </u>		
<u>e</u>		Mea	sureme	ent Ch	eck Po	int	Bundle	ļ	Meas	ureme	nt Ch	eck Poir	Bundle		Леаsu	rement	Check Poir	Bundle		Mea	sureme	nt Check	Point
Bundle	Size	1	2	3 4	4		n	Size					Ĭ	a)	1			Ιč	e			,	
Req				- ا	+		В	S	1 2	2 3	} 4	4	Bul	Size	1	2 3	4	Bui	Size	1	2 3	3 4	
	Mes:	48.5	61.5	71	26.5			_	1 2 48.5 6	_	_	4 26.5	_	Sis Mes:	_	2 3 61.5 71		_	Siz Mes:	_	2 3 61.5		5
		+1	٧	71 2 +1 -	26.5 +.5	F		∕les:	48.5 6 +1 v	51.5 7	71 ? /	26.5 V	_	Mes:	48.5 +1	61.5 71 √ √	26.5 V	_	Mes:	48.5 +1	61.5 7 +1 +	71 26. +.5 +1	5
-		+1 +.5	√ +1	71 7 +1 -	26.5 +.5 V	-		∕les: o	48.5 6 +1 v +.5 +	51.5 7 / V	71 7 / \	26.5 V +.5	_	Mes:	48.5 (+1 ' +.5 -	61.5 71 V V +.5 +1	26.5 V +.5	_	Mes:	48.5 +1 +.5	61.5 7 +1 + +1 +	71 26. +.5 +1 +.5 √	5
		+1 +.5	٧	71 7 +1 -	26.5 +.5 V			∕les: o	48.5 6 +1 v +.5 +	51.5 7	71 7 / \	26.5 V	_	Mes:	48.5 (+1 ' +.5 ·	61.5 71 V V +.5 +1	26.5 V	_	Mes:	48.5 +1 +.5	61.5 7 +1 + +1 +	71 26. +.5 +1	5
		+1 +.5 √	√ +1	71 / +1 - V V	26.5 +.5 V +1		Req	∕les: o	48.5 6 +1 v +.5 + v +	51.5 7 / v -1 +	71	26.5 V +.5	Req	Mes:	48.5 +1 +.5 V	61.5 71 V V +.5 +1 V +.	26.5 V +.5	Req	Mes:	48.5 +1 +.5 +1	61.5 7 +1 + +1 + +.5 +	71 26. +.5 +1 +.5 √	
ndle	6	+1 +.5 √	√ +1 +.5	71 / +1 - V V	26.5 +.5 V +1		Req	Лes:	48.5 6 +1 v +.5 + v +	51.5 7 / v -1 +	71	26.5 V +.5 V	Req	Mes:	48.5 +1 +.5 V	61.5 71 V V +.5 +1 V +.	26.5 V +.5	Req	Mes:	48.5 +1 +.5 +1	61.5 7 +1 + +1 + +.5 +	71 26. +.5 +1 +.5 \forall +.5 +1	
Bundle	Size 9	+1 +.5 v Mea	v +1 +.5	71 7 +1 -1 V 1 +.5 -1	26.5 +.5 V +1 eck Po	int	Bundle	Size 9 aziS	48.5 6 +1 V +.5 + V + Meas	61.5 7 / v -1 +5 v ureme	71 / / 1 / 1 / 1	26.5 V +.5 V	Req ent	Mes: 6 ezis	48.5 (+1) +.5 (V)	61.5 71 V V +.5 +1 V +	26.5 V +.5 V Check Point	Brudle	Mes: 6 ezis	48.5 +1 +.5 +1	61.5 7 +1 + +1 + +.5 + sureme	71 26. 5 +1 5 V 5 +1 nt Check	Point
	Size 9	+1 +.5 v Mea 1 48.5	v +1 +.5 sureme 2 61.5	71	26.5 +.5 / +1 eck Po 4	int	Bundle	Aes:	48.5 6 +1 v +.5 + v + Meas 1 2 48.5 6	61.5 7 / V -1 + 5 V ureme 2 3 61.5 7	71 / / 1 +1 - / 1	26.5 V +.5 V eck Poin 4 26.5	Req ent	Mes: 6 ezis	48.5 +1 1 +.5 - V 1 //easu 1 2 48.5	61.5 71 V V +.5 +1 V +.5 rement 2 3 61.5 71	26.5 V +.5 5 V Check Point 4	Brudle	Mes: 6 ezis	48.5 +1 +.5 +1 Mea: 1 48.5	61.5 7 +1 + +1 + +.5 + sureme 2 3 61.5 7	71 26. +.5 +1 +.5 V +.5 +1 	Point
	Ves:	+1 +.5 v Mea 1 48.5	v +1 +.5 sureme 2 61.5 v	71	26.5 +.5 V +1 eck Po 4 26.5	int	Bundle	Aes:	48.5 6 +1 V +.5 + V + Meas	61.5 7 / v -1 +5 v ureme 2 3 61.5 7 / v	71	26.5 V +.5 V	Req ent	Mes: 6 azis Mes:	48.5 (+1) +.5 · V) //easu 1 : 48.5 (+1)	61.5 71 V V +.5 +1 V +.5 rement 2 3 61.5 71	26.5 V +.5 V Check Point	Brudle	Mes:	48.5 +1 +.5 +1 Mea: 1 48.5 +1	61.5 7 +1 + +1 + +.5 + sureme 2 3 61.5 7	71 26. -5 +1 -5 V -5 +1 -1 Check 4 71 26. -1 V	Point
	Ves:	+1 +.5 V Mea 1 48.5 +1 +.5	v +1 +.5 sureme 2 61.5 v +1	71 : +1 : +.5 : -	26.5 +.5 V +1 eck Po 4 26.5	int	Bundle	Aes:	48.5 6 +1 v +.5 + v + Meas 1 2 48.5 6 +1 v +.5 +	61.5 7 /	71	26.5 V +.5 V eck Poin 4 26.5	Req ent	Mes: 6 azis Mes:	48.5 (+1) +.5 ; V) //easu 1 ; 48.5 (+1) +.5 ;	61.5 71 V V +.5 +1 V +.5 rement 2 3 61.5 71 V V +.5	26.5 V +.5 5 V Check Point 4 26.5 V	Brudle	Mes:	48.5 +1 +.5 +1 Mea 1 48.5 +1 +.5	61.5 7 +1 + +1 + +.5 + sureme 2 3 61.5 7 +1 +	71 26. 7.5 +1 7.5 V 7.5 +1 7.7 1 26. 7.1 26. 7.1 26. 7.1 4 7.1 4 7.1 4 7.1 4 7.1 4 7.1 7	Point 5

Report 5:

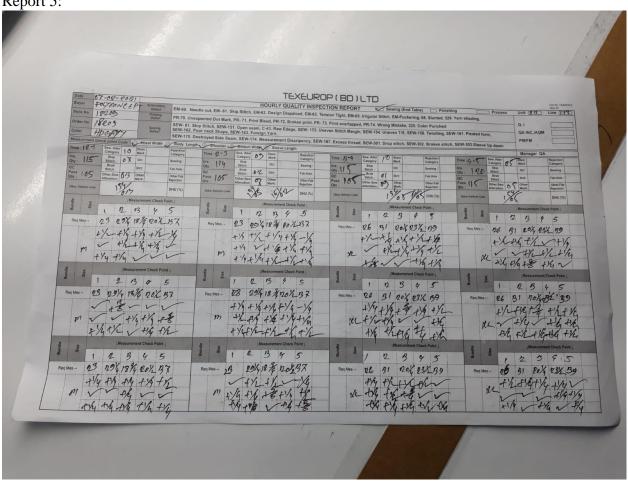


Figure 3-5(Report 5)

Sewing Faults per hour

		Tim 12-		Sew. Alter Category		10 Stai Mar			Rejection Category Sewing			Time: 2	2- Al Cate	ew. ter egor	3	Sta Ma				ejectio ategor							
			115 S		Skip Stitch 7		Dil					Ins Qty 114	/ SI	kip tch		Oi	Oil		5	Sewing							
		Qo		Brok Stitch		Dirt			Fabric Hole			Qc Pass	Brok Stitch		2	Dirt			Fabric Hole								
		Qty 103			.3	3 Otl Ma			Other Fab Rejection			Qty 105	S	Other Sew Alterati		7 Other Mark				her Fa							
			Defe	Other Defect 15 Codes			i4/3			DH	U%		Other Defection	t s			154/5, 161/2				DHU%						
			Time			w. Alter ategory		tain ark		Rejection Category			Time: 4-		Sew. Alter Categor		5 Stain M ark			Rejection Category							
				Ins Qty 115			(Oil		Sewing			Ins Qty 120	Sti	Skip Stitch		Oil			Sewing							
			Qo	Qc		1		Dirt		Fat Ho	oric ole			Sti	Brok Stitch Other		Dir	t		-	Fabric Hole						
			Qty	01		Other Sew Alteration 9		ther lark		Other Fab Rejection			Qc Pass Qty 11	Se Alte	Sew Alterati on		Other Mark			Other Fab Rejection							
			Defe	Other Defect Codes		154/0	5, 10 1	/5		DHU%			Other Defections	t			154/5			DHU%							
Bundle	Size	Me	Measuremer		heck Po	int	Bundle	Size	Mea	asurement		heck I	Point	Bundle	e.	Иеas	urem	ent C	nt Check I		Bundle	e e	Mea	surem	ent Ch	neck P	oint
Bun		1	2	3	4	5	Bur	Si	1	2	3	4	5	Bur	Size	1	2	3	4	5	Bun	Size	1	2	3	4	5
Req N	Mes:	23	23.25	18.75	20.5	37	Req	Mes:	23	23.25	18.75	20.5	37	Req	Mes:	23	23.25	18.75	20.5	37	Req l	Mes:	23	23.25	18.75	20.5	37
	Σ	+.5	+.25	+.25	+5	25		_	_	+.5	+.25		25		_	+.5	+.25		+.5	+.2		_	+.5	+.25		٧	+.25
	2	√ +.25	+.5 +.25	+.25 √	+.25 √	٧		Σ	+.25 +.25	√ +.25	+.25 +.5	+.25 +.5	+.25 +.25		Σ	√ +.25	+.5 √	+.25 √	+.25 +.25	+.5 +.2!		Σ	ν +.25	√ +.25	+.5 +.25	+.5 +.25	+.25 √
dle	е	Me	easurement Check Point					е	Mea	suren	nent C	heck I	Point	dle	е	Иеas	Леasurement Check F			Poin	dle	o	Mea	surem	ent Ch	ieck P	oint
Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5
Req N	Mes:	3	3.25	8.75	20.5	37	Req	Mes:	3	3.25	8.75	20.5	37	Req	Mes:	Ж	3.25	8.75	20.5	37	Req l	Mes:		3.25	18.75	20.5	37
		< N	-\ +.75	۸ 1	٧	٧			ح +.25	+.25	+.25	+.25	25			+.25	~ +.25	+.75					+.5	+.25	+.75	z +.5	+.25
	Σ	√ +.25		+.25 √						+.25 +.5			+.25		Σ	+.5	+.25 +.5			+.2		Σ	√ کات	+.25 +.5			+.25
				-	ı	+.25 +.5					•																
Bundle	Size	ivie	asuren	nent	nt Check Poi		Bundle	Size	iviea	surement		necki	Point	Bundle	Size	Measurement Che			песк	Poin	Bundle	Size	iviea	surem	ient Cr	ieck P	'oint
Bu		1		3	4	5	5 8	S	1	2	3	4	5	Bu	S	1			4	5	BL	<u> </u>	1	2	3	4	5
Req N	Req Mes:		23.25	18.75	20.5	37	Req	Mes:	23	23.25	18.75	20.5	37	Req	Mes:	23	23.25	18.75	20.5	37			23	23.25	18.75	20.5	37
	Σ	+.25 √	+.25 √	+.25 +.25	+.25 V	+.5 √		Σ	√ +.25	+.5 + 25	+.5	√ +.25	+.5 + 5		Σ		+.5 +.5			٧ ٧		Σ	+.5 √	+.25 √	+.25 √		√ +.25
		_	+.25	+.25	_	_			+.25		٧	+.25				_	+.25			_		_	+.25		+.25		+.25

Report 6:

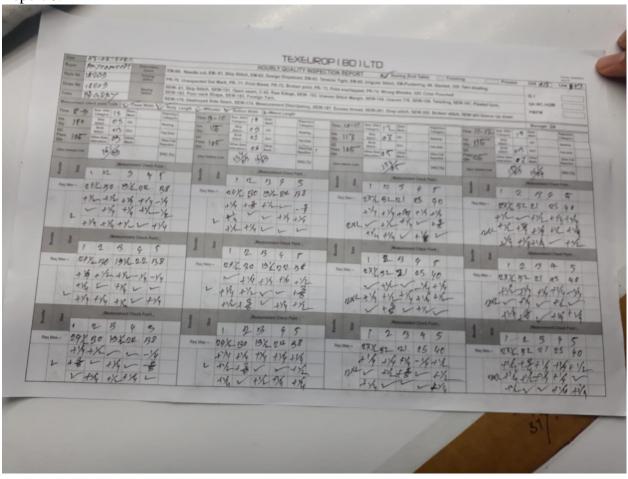


Figure 3-6(Report 6)

Sewing Faults per hour

		Time: 8		Sew. Alter Category			ain ark		Reject Categ			Time: 9- 10	Sew. Alter Catego	1 1	1	Stain Mark			Rejection Category								
			Ins Qt		Skip Stitch	3	(Dil		Sewi	ng		Ins Qty 115	Skip Stitch	3	,	Oil			Sewi	ng						
		Qc Pass Brok Stitch		3	D	irt		Fabric Hole			Qc Pass	Brok Stitch	า 1	ı	Dirt			Fabr Hol									
		Qty 100		Other Sew Alteration			her ark		Other Reject			Qty 105	Othe Sew Altera	8		Other Mark			Other Fab Rejection								
			Other Defect 16 Codes				1/9			DHU%			Other Defect Codes	154/3, 161/3						DHU	%						
			Time: Sew. Alter 10-11 Category		12		ain ark			ejection ategory		Time: 12-1	Sew. Alter Catego	1 10	0	Stain Mark			Rejection Category								
			Ins Qty		Skip Stitch	7	(Dil		Sewing			Ins Qty 115	Skip Stitch		Oil				Sewing							
		Qc		Brok Stitch			D	irt		Fabric Hole			Qc	Brok Stitch	n '	7	Dirt			Fabric Hole							
			Pass Qty 105		ner Sew eration	5		her ark		Other Reject			Pass Qty 105	Othe Sew Altera on	9	,	Other Mark			Other Fab Rejection							
			Other Defec Code	t	154		/05	•		DHU%			Other Defect Codes			•				DHU%							
Bundle	Size	Meas	sureme	ent Cl	nt Check Poin		Bundle	Size	Mea	easurement		heck	Point	Bundle	e.	Иеая	ureme	nent Ched		Poin e Poin 5		i.e	Mea	urem	ent Ch	neck P	oint
Bun		1	2	3	4	5	Bur	Si	1	2	3	4	5	Bun	Size	1	2	3	4	5	Bur	Size	1	2	3	4	5
Req N	√les:	24.5	30	20	22	38	Req	Mes	24.5	30	20	22	38	Req	Mes:	24.5	30	20	22	38	Req	Mes:	24.5	30	20	22	38
		+.5	+.5	+.25	+.25	25			+.25	٧	+.5	٧	٧			+.25	+.25	٧	+.25	+.25			+.5	٧	+.5	+.5	+.25
	L	٧	+.25	+.25	+.5	+.5		L	+.25	٧	٧	+.2	5 +.25		L	٧	+.5	+.25	٧	+.25		L	+.5	+.25	+.25	+.5	+.25
		+.25	+.25	+.5	٧	+.25			+.5	+.25	٧	٧	٧			+.25	+.25		+.25	٧			+.25	+.25	+.25	٧	+.5
Bundle	Size	Meas	sureme	ent Cl	nt Check Point		Bundle	Size	Mea	asurement		heck	Point	Bundle	Size	Иeas	ureme	ent C	nt Check Poi		Bundle Size		Mea	Measurement Check Po			oint
Bur	Si	1	2	3	4	5	Bur	Si	1	2	3	4	5	Bur	Š	1	2	3	4	5	Bur	Si	1	2	3	4	5
Req N	Лes:	24.5	30	20	22	38	Req	Mes	24.5	30	20	22	38	Req	Mes:	24.5	30	20	22	38	Req	Mes:	24.5	30	20	22	38
		+.25	+.5	+.5	+.25	25			٧	+.25	+.25	+.2	5 +.5				+.5			+.25			+.5	+.25	+.25	+.25	٧
	L	+.25	٧	+.25	٧	٧		L	+.25	+.5	٧	٧	٧		L	+.25	+.5	+.25	+.25	+.5		L	٧	+.25	٧	+.5	٧
		+.25	+.25	+.25	٧	+.25			+.5	٧	٧	+.2	5 +.5				+.25		+.5				٧	+.5	٧	+.25	+.25
dle	Size				nt Check Po		Bundle	Size		Measureme				dle	Size	Иeas	Neasurement Che					Size	Mea		ient Ch		
Bundle	Si	1	2	3	4	5	Bun	Siz	1	2	3	4	5	Bundle	Siz	1	2	3	4	5	Bundle	Si	1	2	3	4	5
Req N	Лes:	24.5	30	20	22	38	Req	Mes	:24.5	30	20	22	38	Req	Mes:	24.5	30	20	22	38			24.5	30	20	22	38
		+.25	_	٧	٧	25			_		_	_	5 +.25			_	+.25			+.5			+.25		+.25		_
1		_			,			١.	+.5		٧	٧	+.5		L	٧	+.5	٧	٧	+.5		L	+.25				
	L	+.25	٧	٧	٧	+.25		L	۲.၁	•	v	Ľ	٠.5	I	_	Ľ	1	_	v			_		٠.5	25	₹.25	V
	L		√ +.25	,	۷ +.25	-		L	+.25		_	_	5 +.25			+.25	+		٧	+.2		_	7	٧.			+.25

Report 7:

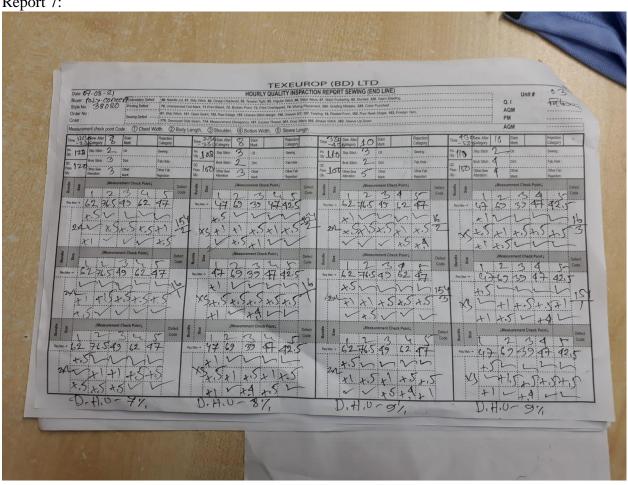


Figure 3-7(Report 7)

Time: 12.30- 1.30	Sew. Alter Category	8	Stain Mark	Rejection Category		Time: 2.30- 3.30	Sew. Alter Categor y	8	Stain Mark	Rejection Category	
Ins Qt 128	Skip Stitch	2	Oil	Sewing		Ins Qty 108	Skip Stitch	3	Oil	Sewing	
Qc Pass	Brok Stitch	3	Dirt	Fabric Hole		Qc Pass	Brok Stitch	2	Dirt	Fabric Hole	
Qty 120	Other Sew Alteration	3	Other Mark	Other Fab Rejection		Qty 100	Other Sew Alterati	3	Other Mark	Other Fab Rejection	
Other Defect Codes				DHU%	9.00%	Other Defect Codes				DHU%	
Time: 3.30-4- 30	Sew. Alter Category	10	Stain Mark	Rejection Category		Time: 4.30- 5.30	Sew. Alter Categor y	10	Stain Mark	Rejection Category	
Ins Qty 110	Skip Stitch	3	Oil	Sewing		Ins Qty 110	Skip Stitch	2	Oil	Sewing	
	Brok Stitch	2	Dirt	Fabric Hole			Brok Stitch	4	Dirt	Fabric Hole	
Qc Pass Qty 100	Other Sew Alteration	5	Other Mark	Other Fab Rejection		Qc Pass Qty 100	Other Sew Alterati on	4	Other Mark	Other Fab Rejection	
Other Defect Codes				DHU%		Other Defect Codes				DHU%	

Bundle	ie.	Mea	surem	ent Ch	neck F	oint	dle	Size	Mea	surem	ent C	heck F	Point	Bundle	Size	Иeas	ureme	ent Cl	ne ck	Poin	Bundle	Size	Meas	surem	nent C	heck F	oint
Bun	Size	1	2	3	4	5	Bundle	Siz	1	2	3	4	5	Bun	Siz	1	2	3	4	5	Bun	Siz	1	2	3	4	5
Req I	Mes:	62	76.5	49	62	47	Req	Mes:	47	69	39	47	42.5	Req	Mes:	62	76.5	49	62	47	Req	Mes:	47	69	39	47	42.5
		+.5	٧	٧	٧	٧			+.5	٧	٧	٧	٧			+1	٧	٧	٧	٧			+1	٧	٧	٧	٧
	2XL	٧	+.5	+.5	+.5	+1		XL	+1	+1	+.5	٧	+.5		2XL	+.5	+.5	+.5	+1	+.5		XL	+.5	+1	+.5	+.5	+.5
		+1	٧	٧	٧	+.5			٧	٧	+1	٧	٧			٧	٧	٧	+.5	٧			+1	+.5	٧	٧	٧
Bundle	Size	Mea	surem	ent Ch	neck F	oint	Bundle	Size	Mea	surem	ient C	heck F	Point	Bundle	Size	Иeas	ureme	ent Cl	heck	Poin	Bundle	Size	Meas	surem	nent C	heck F	oint
Bur	Si	1	2	3	4	5	Bur	Si	1	2	3	4	5	Bur	Si	1	2	3	4	5	Bur	Si	1	2	3	4	5
Req I	Mes:	62	76.5	49	62	47	Req	Mes:	47	69	39	47	42.5	Req	Mes:	62	76.5	49	62	47	Req	Mes:	47	69	39	47	42.5
		٧	٧	٧	٧	٧			+1	٧	٧	٧	٧			+.5	٧	٧	٧	٧			+.5	٧	٧	٧	٧
	2XL	+1	+.5	+.5	+.5	+.5		XL	+.5	+.5	+.5	+.5	+.5		2XL	+1	+1	+.5	+.5	+.5		XL	٧	+1	+.5	+.5	+1
		+.5	٧	٧	٧	٧			+1	٧	٧	٧	٧				+.5	٧	٧	٧			+1	+.5	٧	٧	٧
Bundle	Size	Mea	surem	ent Ch	neck F	oint	Bundle	Size	Mea	surem	ent C	heck F	oint	nndle	Size	Иeas	ureme	ent Cl	heck	Poin	Bundle	Size	Meas	surem	nent C	heck F	oint
Bur	Si	1	2	3	4	5	Bur	Si	1	2	3	4	5	Bur	Si	1	2	3	4	5	Bur	Si	1	2	3	4	5
Req	Mes:	62	76.5	49	62	47	Req	Mes:	47	69	39	47	42.5	Req	Mes:	62	76.5	49	62	47			47	69	39	47	42.5
		+.5	٧	٧	٧	٧			+1	٧	٧	٧	٧			+.5	٧	٧	٧	٧			+.5	٧	٧	٧	٧
	2XL	٧	+1	+1	+.5	+.5		XL	+.5	+1	+.5	+1	+.5		2XL	+1	+.5	+1	+.5	+.5		XL	٧	+.5	+.5	+.5	+.5
		+.5	٧	٧	٧	٧			+1	٧	+1	+.5	٧			٧	٧	+.5	+1	+1			+1	+1	٧	٧	٧

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Figure 3-8(Report 8)

			Time: 12.30	Sev	w. Alte			tain ark		Rejec Cate			2	ime: .30-	Sew. Alter	٠ ,	ч .	Stain Mark		Reje Cate							
			Ins Qt 109		Skip Stitch	3	(Oil		Sew	ing			Qty 108	Skip Stitcl		2	Oil		Sew	ing						
			Qc		Brok Stitch			Dirt		Fab Ho				Qc	Brok	<		Dirt		Fal	oric ole						
			Pass Qty 100	Otl	her Sev teration	6		ther ark		Other Rejec	Fab			Pass Qty 100	Othe Sew Altera	r (o I	Other Mark		Other Reje	Fab						
			Other Defection Code	:t	82/3	32, 2	/332,	2/154	1	DHI	J%	9.00	De	ther efect odes			2, 2/33	2, 2/154	1	DH	U%						
			Time: 3.30-4 30	4- Sev	w. Alte ategory			tain ark		Rejec Cate			4	ime: .30- i.30	Sewa Alter Category	• .	/	Stain Mark		Reje Cate							
			Ins Qt	y I	Skip Stitch	2	(Oil		Sew	ing			Qty 107	Skip Stitc		2	Oil		Sew	ving						
					Brok Stitch			Dirt		Fab Ho					Brol Stitc			Dirt		Fak Ho	oric ole						
			Qc Pass Qty 100		her Sev teration	1 6		ther ark		Other Rejec			P	Qc Pass Qty 100	Othe Sew Altera		5	Other Mark		Other Rejec							
			Other Defections	:t	82/3	32, 2	/332,	2/154	1	DH	J%		De	ther efect odes	8	2/332	2, 2/33	2, 2/154	1	DH	U%						
dle	a	Mea	surem	ent Cl	heck Po	oint	dle	Ф	Mea	surem	ent Ch	neck P	oint	dle	a	Me	easure	ment C	neck Po	oint	dle	υ υ	Meas	urem	ent Cl	neck F	oint
Bundle	Siz	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5
Req	vles:	24	30	19.5	22	38	Req	Mes:	29	33	22	27	41	Req	Mes:	24	30	19.5	22	38	Req	Mes:	24	30	19.5	22	38
		٧	-, -	٧	-1/4	٧			+1/2	٧	٧	-1/4	٧			٧	+1/8	٧	+1/4	٧			+1/4	٧	-1/4	-1/4	٧
	L	+1/4			-1/8	-1/4		3XL	-	+1/8		+1/8			2XI	+1/4	 	+1/8	-1/8	-1/8		L	٧		-1/8		
		+1/2	+1/8	٧	٧	-1/4			+1/4	٧	-1/8	٧	-1/2			+1/4	+1/8	٧	٧	-1/4			+1/4	٧	-1/8	٧	-1/2
Bundle	Size	Mea	surem	ent Cl	heck Po	oint	Bundle	Size	Mea	surem	ent Ch	neck P	oint	Bundle	Size	Me	easure	ment C	neck Po	oint	undl	Size	Meas	urem	ent Cl	neck F	oint
Bu	0)	1	2	3	4	5	Bu	01	1	2	3	4	5	Bu	01	1	2	3	4	5			1	2	3	4	5
Req	Mes:		_	21	25	40	Req	Mes:		31	20.24	23.5	39	Req	Mes:	24	30	19.5	22	38	Req	Mes:	27	32	21	25	40
		+1/4	٧	٧	٧	+1/8			+1/4		٧	-1/8	٧			٧	+1/8	٧	-1/4	-1/4			+1/2	٧	٧	-1/4	-1/8
	2XL	<u> </u>		-1/8	_	-1/4		XL	_	_	+1/8		٧		2XI	+1/4	+	+1/8	٧	٧		2XL	٧	+1/8	-1/8		-1/4
		+1/8	٧		-1/4	-1/4			+1/4	٧	٧	-1/4	-1/4			+1/8	-1/8	٧	-1/8	-1/8			+1/4	٧	٧	-1/4	٧
Bundle	Size	Mea	asurement Check Point		oint	Bundle	Size	Mea	surem	ent Ch	neck P	oint	Bundle	Size	Me	easure	ment C	neck Po	oint	Bundle	Size	Meas	urem	ient Cl	neck F	oint	
		1		3	4	5	Bur	!S	1	2	3	4	5	Bur	is	1	2	3	4	5	Bur	S	1	2	3	4	5
Req	vles:	25.5	31	20.24	23.5		Req	Mes:	25.5			23.5	39	Req	Mes:	24	30	19.5	22	38			27	32	21	25	40
		+1/8		٧		٧				+1/4			-1/4			٧	+1/8		+1/8				٧	-1/8			-1/4
	XL	-			-1/8			ΧI	+1/4			-1/8			L	+1/4	_	-1/8	-1/8			2XL	+1/4		+1/8		-
		+1/2	+1/8	٧	٧	-1/8			+1/8	-1/8	٧	٧	-1/4			+1/2	+1/4	٧	٧	-1/8			+1/4	-1/8	٧	٧	+1/8

Report 9:

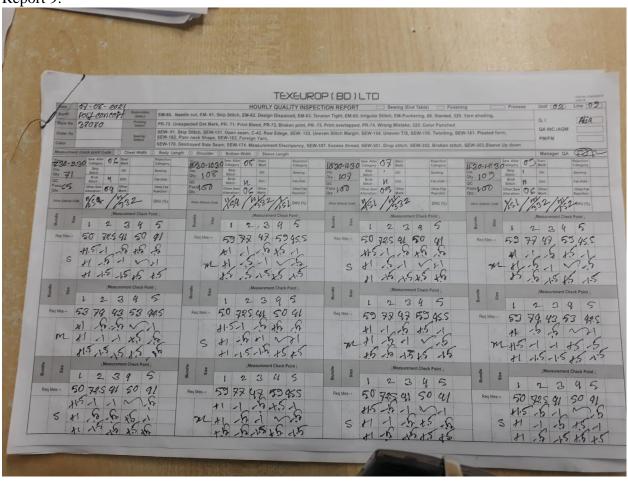


Figure 3-9(Report 9)

Time: 8.30- 9.30	Sew. Alter Category	6	Stain Mark	Rejection Category	Time: 9.30- 10.30	Sew. Alter Categor y	8	Stain Mark		Rejection Category	
Ins Qt 71	Skip Stitch		Oil	Sewing	Ins Qty 108	Skip Stitch		Oil		Sewing	
Qc	Brok Stitch	4	Dirt	Fabric Hole	Qc Pass	Brok Stitch	4	Dirt		Fabric Hole	
Pass Qty 65	Other Sew Alteration	4	Other Mark	Other Fab Rejection	Qty 100	Other Sew Alterati	6	Other Mark		Other Fab Rejection	
Other Defect Codes	3/	254, 4	/332	DHU%	Other Defect Codes	11/1	154,41/	382, 1/15	1	DHU%	
Time: 10.30- 11.30	Sew. Alter Category	7	Stain Mark	Rejection Category	Time: 11.30- 12.30	Sew. Alter Categor y	7	Stain Mark		Rejection Category	
Ins Qty 107	Skip Stitch		Oil	Sewing	Ins Qty 109	Skip Stitch	1	Oil		Sewing	
	Brok Stitch	6	Dirt	Fabric Hole		Brok Stitch	11	Dirt		Fabric Hole	
Qc Pass Qty 100	Other Sew Alteration	5	Other Mark	Other Fab Rejection	Qc Pass Qty 100	Other Sew Alterati on	6	Other Mark		Other Fab Rejection	
Other Defect Codes	4/	151, 41	/332	DHU%	Other Defect Codes	1/151	, 222/3	332, 111/1	52	DHU%	

Bundle	i.e	Mea	surem	ent Cl	neck F	oint	Bundle	Size	Mea	suren	nent C	heck F	Point	Bundle	i.e	Mea	uren	nent (Check	Point	Bundle	i.e	Meas	urem	ent C	neck F	Point
Bun	Size	1	2	3	4	5	Bun	Siz	1	2	3	4	5	Bun	Size	1	2	3	4	5	Bun	Size	1	2	3	4	5
Req	Mes:	50	73	41	50	41	Reql	Mes:	53	74	43	53	43	Req	Mes:	50	73	41	50	41	Req	Mes:	53	74	43	53	43
		+1.5	-1	5	+5	-5			+1	-1	5	+.5	-1			+1.5	-1	5	+.5	5			+1	-1	5	+.5	-1
	S	+1	5	-1	٧	-1		M	+1	5	-1	٧	5		S	+1	5	-1	٧	-1		М	+1	5	-1	٧	5
		+1	-1.5	-1.5	+.5	5			+.5	5		+.5	+.5			+1	-1.5	-1.5	+.5	+.5			+.5	5	-1.5	+.5	-1.5
Bundle	Size	Mea	Measurement Check P				nndle	Size	Mea	suren	nent C	heck F	Point	undle	Size	Mea	surem	nent (Check	Point	undle	Size	Meas	urem	ent Cl	neck F	Point
Bur	Si	1	2	3	4	5	Bur	Si	1	2	3	4	5	Bur	Si	1	2	3	4	5	Bur	Si	1	2	3	4	5
Req	Mes:	53	74	43	53	43	Reql	Mes:	50	72.5	41	50	41	Req	Mes:	53	74	43	53	42.5	Req	Mes:	50	73	41	50	41
		+1	5	5	٧	-1			+1.5	-1	5	+.5	5			+1	-1	5	+.5	-1			+1	5	5	٧	-1
	М	+1	-1	-1	+.5	5		S	+1	5	-1	٧	-1		М	+1	5	-1	٧	5		S	+1.5	-1	-1	+.5	5
		+1.5	-1.5	-1.5	+.5	-1.5			+1	-1.5	-1.5	+.5	+.5				5	-1.5	+.5	-1.5			+1	-1.5	-1.5	+1.5	+.5
Bundle	Size	Mea	surem	ent Cl	neck F	oint	Bundle	Size	Mea	suren	nent C	heck F	Point	undle	Size	Mea	suren	nent (Check	Point	nndle	Size	Meas	urem	ient Cl	neck f	Point
Bur	Si	1	2	3	4	5	Bur	S	1	2	3	4	5	Bur	Si	1	2	3	4	5	Bur	Si	1	2	3	4	5
Req	Mes:	50	73	41	50	41	Reql	Vies:	53	74	43	53	43	Req	Mes:	50	73	41	50	41			53	74	43	53	43
		+1.5	-1	-1	٧	5			+1	-1	5	+.5	-1			+1.5	5	-1	٧	-1			+1.5	5	-1	+.5	5
	S	+1	5	5	+.5	-1		М	+1	5	-1	٧	5		S	+1	-1	5	+.5	5		М	+1	-1	5	+.5	-1
		+1	-1.5	+1.5	+.5				+.5	5	-1.5	+.5	-1.5			+1	5	-1.5	+.5	+.5			+1	5	-1.5	+.5	+.5

Report 10:

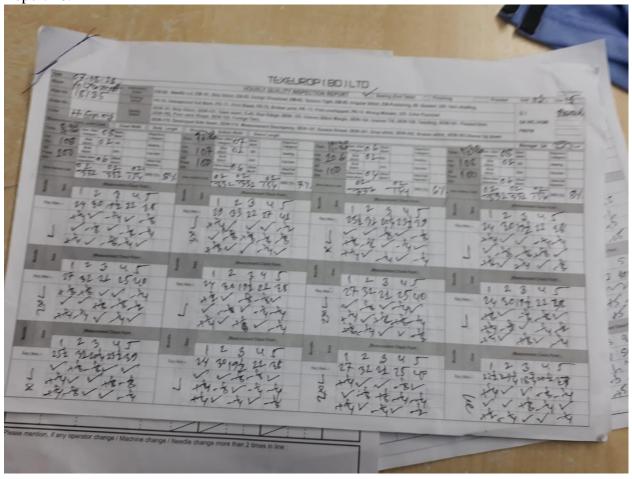


Figure 3-10(Report 10)

			Time: 9		w. Alte ategory			tain ark		Rejec Categ			Tim 0-		Alter Catego	r 7		Stain Mark			ection					
			Ins Qt 108		Skip Stitch	2	(Oil		Sewi	ing		Ins (Skip Stitch	1		Oil		Sev	ving					
			Qc Pass		Brok Stitch		С	Dirt		Fab Ho			Q		Brok Stitch		ı	Dirt			bric ole					
			Qty 100		her Sev teratio			ther ark		Other Rejec			Qt 10		Other Sew Alterat	6		other Vark			rFab ction					
			Other Defect Codes	t	92/33	32, 02	/332,	02/18	34	DHU	J%	8.009	Oth Def 6 Cod	ect	92/	332,0	2/33	2,02/18	4	DH	₩	79	6			
			Time: 11-12		w. Alte ategory			tain ark		Rejec Categ			Tin 12		Sew. Alter Catego y	r 8		Stain 1 ark			ection					
			Ins Qty 106		Skip Stitch	2	(Oil		Sewi	ing		Ins (Skip Stitch	2		Oil		Sev	ving					
			Qc	- 1	Brok Stitch		С	irt		Fab Ho			Q		Brok Stitch		ı	Dirt			bric ole					
			Pass Qty 100	Alt	her Sev teration	1 4		ther ark		Other Rejec			Pa: Qt 10	ss y 0	Other Sew Alterat on	6		other Vark			rFab ection					
			Other Defect Codes	t	92/33	32, 02	/332,	02/18	34	DHU	J%	6%	Oth Def Cod	ect	92/	332,0)2/33	2,02/18	4	DH	·U%	89	6			
dle	a	Mea	surem	ent C	heck Po	oint	dle	au	Mea	surem	ent C	heck P	oint	ale	a	Mea	sure	ment Ch	eck Po	int	dle	a	N	∕leasure	ment Ch	neck Poir
Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4
Req N	∕les:	24	30	19.5	22	25	Req	Mes:	29	33	22	27	41	Req	Mes:	25.5	31	20.25	23.5	39	Req	Mes:	24	30	19.5	22
Req N	∕les:			19.5 -1/4		25 -1/8	Req	Mes	29 +1/4	33 √	22 √	27 √	41 -1/2	Req	Mes:	25.5 √	31 √	20.25 -1/8	23.5 √	39 -8	Req	Mes:	24 -1/4	30 √	19.5 √	22 -1/4
Req N			√ -1/8	-1/4 V	√ -1/8		Req	Mes:	+1/4 V	٧	٧	1		Req			٧	-1/8	1.		Req	Mes:		+	 	1
Req		+1/4	√ -1/8	-1/4 V	√ -1/8	-1/8	Req		+1/4 V	٧	٧	٧	-1/2 -1/8	Req		٧	√ -1/8	-1/8	٧	-8	Req		-1/4	√ -1/8	٧	-1/4
	L	+1/4 √ +1/4	√ -1/8	-1/4 V -1/8	√ -1/8 -1/4	-1/8 -1/4 V		3XL	+1/4 V +1/8	√ -1/8	√ +1/8 √	√ -1/8 -1/4	-1/2 -1/8 V		XL	v +1/8 +1/4	√ -1/8 √	-1/8 √	√ -1/4 √	-8 √ -1/4		L	-1/4 √ -1/8	√ -1/8 √	√ -1/8 -1/4	-1/4 +1/8
Bundle	Size	+1/4 √ +1/4	√ -1/8 · √ · · · · · · · · · · · · · · · · ·	-1/4 V -1/8	√ -1/8 -1/4 Theck Po	-1/8 -1/4 V	Bundle Bundle		+1/4 V +1/8	√ -1/8 √	√ +1/8 √	√ -1/8 -1/4	-1/2 -1/8 V	Bundle		v +1/8 +1/4	√ -1/8 √	-1/8 V -1/4	√ -1/4 √	-8 √ -1/4	Brudle		-1/4 √ -1/8	√ -1/8 √	√ -1/8 -1/4	-1/4 +1/8 √
	Size	+1/4 V +1/4 Mea	√ -1/8 √ · · · · · · · · · · · · · · · · · ·	-1/4 V -1/8 ent C	√ -1/8 -1/4 Theck Po	-1/8 -1/4 V pint		Size Size	+1/4 V +1/8 Mea	√ -1/8 √ surem	√ +1/8 √ ent C	V -1/8 -1/4 heck P	-1/2 -1/8 V	Bundle	XL	V +1/8 +1/4 Mea	√ -1/8 √	-1/8 V -1/4 ment Ch	√ -1/4 √ eck Po	-8 √ -1/4 int	Bundle	L	-1/4 V -1/8	√ -1/8 √ Measure	√ -1/8 -1/4 ment Ch	-1/4 +1/8 V
Bundle	Size L	+1/4 V +1/4 Mea 1	√ -1/8 √ · · · · · · · · · · · · · · · · · ·	-1/4 V -1/8 ent C 3	√ -1/8 -1/4 theck Pe	-1/8 -1/4 V pint	Bundle	Size Size	+1/4 V +1/8 Mea	√ -1/8 √ surem	√ +1/8 √ ent Cl	V -1/8 -1/4 heck P	-1/2 -1/8 V print 5	Bundle	Size	V +1/8 +1/4 Mea	√ -1/8 √ sure:	-1/8 V -1/4 ment Ch	√ -1/4 √ eck Po	-8 √ -1/4 int	Bundle	Size	-1/4 V -1/8	√ -1/8 √ Measure 2 30	√ -1/8 -1/4 ment Cr	-1/4 +1/8 V neck Poin
Bundle	Size L	+1/4 V +1/4 Mea 1 27 +1/8	v -1/8 v v surem 2 32 +1/8 v	-1/4 V -1/8 ent C 3	√ -1/8 -1/4 theck Po 4 25	-1/8 -1/4 V pint 5	Bundle	Size Size	+1/4 V +1/8 Mea 1	√ -1/8 √ surem	√ +1/8 √ ent Cl	V -1/8 -1/4 heck P 4 22 -1/8	-1/2 -1/8 √ point 5 25 √	Bundle	XL ezis	V +1/8 +1/4 Mea 1	√ -1/8 √ surer 2	-1/8 V -1/4 ment Ch	V -1/4 V eck Po 4	-8 √ -1/4 int 5 40	Bundle	Size	-1/4 V -1/8 1 24 +1/8	√ -1/8 √ Measure 2 30	√ -1/8 -1/4 ment Ch 3 19.5	-1/4 +1/8 V neck Poir 4
Bundle	Size	+1/4 V +1/4 Mea 1 27 +1/8	v -1/8 v surem 2 32 +1/8 v	-1/4 V -1/8 ent C 3	√ -1/8 -1/4 theck Po 4 25 √ -1/8	-1/8 -1/4 V point 5 40 -1/4	Bundle	3XL esis	+1/4 V +1/8 Mea 1 24 +1/2	√ -1/8 √ surem 2 30	√ +1/8 √ ent Cl 3 19.5 -1/8	V -1/8 -1/4 heck P 4 22 -1/8 V	-1/2 -1/8 √ point 5 25 √	Bundle	XL ezis	√ +1/8 +1/4 Mea 1 27 √	√ -1/8 √ surer 2	-1/8 V -1/4 ment Ch 3 22 V +1/8	V -1/4 V eck Po 4 25 -1/4	-8 v -1/4 int 5 40 v	Bundle	L es:	-1/4 V -1/8 1 24 +1/8	√ -1/8 √ Measure 2 30 √ -1/2	√ -1/8 -1/4 ment Ch 3 19.5	-1/4 +1/8 V neck Poir 4 22 -1/8
Pandle Bundle	L es:	+1/4 V +1/4 Mea 1 27 +1/8 V +1/4	v -1/8 v surem 2 32 +1/8 v	-1/4 V -1/8 ent C 3 3 222 V +1/8	V -1/8 -1/4 theck Po 4 25 V -1/8 -1/4	-1/8 -1/4 V Dint 5 40 -1/4 -1/2 V	Bundle	3XL egis Mess	+1/4 V +1/8 Mea 1 24 +1/2 V +1/4	√ -1/8 √ surem 2 30 √	V +1/8 V ent Cl 3 19.5 -1/8 -1/4 +1/8	V 5-1/8 -1/4 heck P 4 22 -1/8 V	-1/2 -1/8 V Dint 5 25 V -1/4 -1/4	alpuna Req	XL ezis Mes:	V +1/8 +1/4 Mea 1 27 V +1/4 +1/8	V -1/8 V 2 32 -1/8	-1/8 V -1/4 ment Ch 3 22 V +1/8	V -1/4 V eck Po 4 25 -1/4 +1/8 V	-8 V -1/4 int 5 40 V -1/4 -1/8	Pan Bundle	L Size	1 24 +1/4 +1/4	1/8 V V V Areas ure 2 30 V -1/2 V	V -1/8 -1/4 ment Cr 3 19.5 -1/8 V +1/8	-1/4 +1/8 V neck Poir 4 22 -1/8 -1/4
Bundle	Size Size TXT Size	+1/4 V +1/4 Mea 1 27 +1/8 V +1/4 Mea	V -1/8 V surem 2 : 32 +1/8 V -1/4 V surem	-1/4 V -1/8 ent C 3 3 22 V +1/8 V	V -1/8 -1/4 theck Po V -1/8 -1/4 theck Po Po V -1/8 -1/4 theck Po Po V -1/8 -1/4 theck Po V -1/8 -1/8 theck Po V -	-1/8 -1/4 V Dint 5 40 -1/4 -1/2 V	Bundle	3XL esis	+1/4 V +1/8 Mea 1 24 +1/2 V +1/4	√ -1/8 √ surem 2 30 √ √ √ surem	V +1/8 V eent Cl 3 19.5 -1/8 -1/4 +1/8	V -1/8 -1/4 heck P 4 22 -1/8 V V heck P	-1/2 -1/8 V Dint 5 25 V -1/4 -1/4	Bundle	XL Pize Size Size Size Size Size Size Size S	V +1/8 +1/4 Mea 1 27 V +1/4 +1/8 Mea	√ -1/8 √ 2 32 -1/8 -1/4 asurer	-1/8 V -1/4 ment Ch 3 22 V +1/8	V -1/4 V eck Poi 4 25 -1/4 +1/8 V eck Poi	-8 V -1/4 int 5 40 V -1/4 -1/8	Bundle	Size T asis	1 24 +1/4 +1/4	1/8 V V V Areas ure 2 30 V -1/2 V	V -1/8 -1/4 ment Cr 3 19.5 -1/8 V +1/8	-1/4 +1/8 V neck Poir 4 22 -1/8 -1/4 V
Bundle ab Bundle	L Size Size	+1/4 V +1/4 Mea 1 27 +1/8 V +1/4 Mea	V -1/8 V surem 2 : 32 +1/8 V -1/4 V surem	-1/4 V -1/8 ent C 3 22 V +1/8 V ent C	√ -1/8 -1/4 4 4 25 √ -1/8 -1/4	-1/8 -1/4 V bint 5 40 -1/4 -1/2 V	Bundle	Size P Size	+1/4 V +1/8 Mea 1 224 +1/2 V +1/4 Mea	V -1/8 V surem 2 30 V V surem 2 2 32 2 32 2 32 32 32 32 32 32 32 32 32	V +1/8 V eent Cl 3 19.5 -1/8 -1/4 +1/8	V -1/8 -1/4 heck P 4 22 -1/8 V heck P 4 4	-1/2 -1/8 V bint 5 25 V -1/4 -1/4 bint	Req -1/4	XL Pize Size Size Size Size Size Size Size S	V +1/8 +1/4 Mea 1 27 V +1/4 +1/8 Mea	V -1/8 V 2 32 -1/8 -1/4 surer	-1/8 V -1/4 ment Ch 3 22 V +1/8 V	25 -1/4 4 25 -1/4 +1/8 V	-8 V -1/4 int 5 40 V -1/4 -1/8 int	Pan Bundle	Size T asis	-1/4 V -1/8 1 24 +1/4 +1/4	1 V -1/8 V Measure 2 30 V -1/2 V Measure	19.5 -1/8 -1/4 ment Cr 3 19.5 -1/8 V +1/8	-1/4 +1/8 V neck Poir 4 22 -1/8 -1/4 V neck Poir
Bundle ab Bundle	L Size Size Size	+1/4 v +1/4 Mea 1 27 +1/8 v +1/4 Mea 1 25.5	V -1/8 · V surem 2 : 32 · +1/8 · V -1/4 · surem 2 : 31 · +1/8 ·	-1/4 V -1/8 ent C 3 222 V +1/8 V ent C	V -1/8 -1/4 4 4 25 √ -1/8 -1/4 theck Po 4 23.5 √	-1/8 -1/4 V 5 40 -1/4 -1/2 V 5 39 V	Bundle & Bundle	3XL Size L asize	+1/4 V +1/8 Mea 1 24 +1/2 V +1/4 Mea 1	V -1/8 V suremm 2 30 V V suremm 2 30 V V	V +1/8 V ent Cl 3 19.5 -1/8 +1/8 ent Cl 3 19.5 -1/8	V -1/8 -1/4 heck P 22 -1/8 V heck P 22 -1/8 2 -1/8 V -1/8 P 4 22 -1/8 P 4 22 -1/8	-1/2 -1/8 V Doint 5 25 V -1/4 -1/4 Doint 5	Req -1/4	XL PESS AND SESS AND SE	V +1/8 +1/4 Mea 1 27 V +1/4 +1/8 Mea	v -1/8 v 2 32 -1/8 -1/4 surer 2 2 32	-1/8 V -1/4 ment Ch 3 22 V +1/8 V	25 -1/4 4 25 -1/4 +1/8 V	-8 V -1/4 int 5 40 V -1/8 int 5	Pan Bundle	L Size L Size	-1/4 V -1/8 1 24 +1/4 +1/4 1 22.5 +1/4	2 30 V -1/2 V Measure 2 2 29.25 V	19.5 -1/8 -1/4 ment Cr 3 19.5 -1/8 V +1/8 ment Cr 3	-1/4 +1/8 V neck Poir 4 22 -1/8 -1/4 V neck Poir 4 20.25 -1/8
Bundle ab Bundle	L Size XL XL	+1/4 v +1/4 Meaa 1 27 +1/8 v +1/4 Meaa 1 25.5 v +1/4	V -1/8 · V surem 2 : 32 · +1/8 · V -1/4 · surem 2 : 31 · +1/8 ·	-1/4 V -1/8 ent C 3 22 V +1/8 V ent C	V -1/8 -1/4	-1/8 -1/4 V 5 40 -1/4 -1/2 V 5 39 V	Bundle & Bundle	3XL Size L asize	+1/4 V +1/8 Mea 1 24 +1/2 V +1/4 Mea 1	V -1/8 V suremm 2 30 V V suremm 2 30 V V -1/8	V +1/8 V ent Cl 3 19.5 -1/8 +1/8 ent Cl 3 19.5 -1/8	V -1/8 -1/4 heck P 4 22 -1/8 V heck P -1/8 -1/8 V -1/8 -1/8 -1/8 -1/4	-1/2 -1/8 V Doint 5 25 V -1/4 -1/4 Doint 5	Req -1/4	XL Page Pa	V +1/8 +1/4 Mea 1 27 V +1/4 +1/8 Mea 1 27 +1/4	V -1/8 V 2 32 -1/8 surer 2 2 32 V -1/8	-1/8 V -1/4 ment Ch 3 22 V +1/8 V ment Ch	25 -1/4 +1/8 V eck Po	-8 V -1/4 int 5 40 V -1/8 int 5 40 V	Bundle & Bundle	L Size L Size	1 24 +1/8 +1/4 +1/4 v	2 30 V -1/2 V Measure 2 2 29.25 V	19.5 -1/8 V 19.5 -1/8 V +1/8 ment Cr	-1/4 +1/8 V neck Poir 4 22 -1/8 -1/4 V neck Poir 4 20.25 -1/8

Report 11:

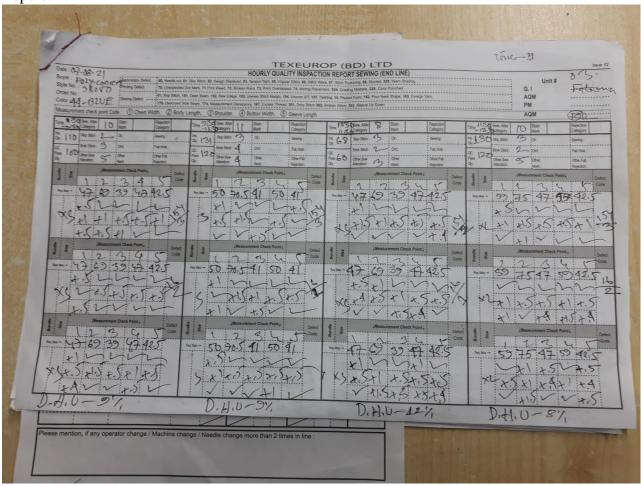


Figure 3-11(Report 11)

Sew. Alter 10 Stain Rejection Category 11 Stain Rejection Category 12 Stitch 3 Oil Sewing Stitch 3 Oil Sewing Stitch 4 Dirt Fabric Hole Dirt Hole Dirt Hole Dirt Hole Dirt Dirt Hole Dirt Dirt																								
Sew. Alter 10	+	.5	+1	٧	٧			٧	٧	+.5	٧	٧			٧	٧	٧	٧	+.4			٧	+1	٧
Sew. Alter Skip Category 10 Stain Rejection Stain Category 11 Stain Rejection Category 12 Skip Skip Skip Skitch	+	1	+5	5	+1		S	+.5	+1.5	٧	+.5	٧		XS	+1.5	+1	+.5	+.5	+.5		S	+1	٧	+.5
Sew. Alter 10 Stain Rejection Stain Rejection Stain Rejection Category 11 Stain Rejection Category 12 Skip Stitch 3 Oil Sewing Stitch 3 Oil Sewing Stitch A Dirt Fabric Hole Pass Other Sew Stitch Stitch A Dirt Fabric Hole Other Fab Rejection Other Defect Codes DHU% Defect Codes DHU% Category 12.30 Alter	٧		٧	٧	٧			+1	٧	٧	٧	+.5			+1	٧	٧	٧	٧			+.5	٧	٧
Sew. Alter 10 Stain Rejection 10 Stain Rejection 10 Stain Rejection 10 Stain Rejection 10 Stain Mark Category 10 Stain Mark Category 11 Stain Mark Rejection 12 Stitch 3 Oil Sewing Stitch 3 Oil Sewing Stitch 3 Oil Sewing Stitch 4 Dirt Fabric Hole Pass Other Other Pass Other Other Pass Other Other Pass Other Other Other Other Pass Other Other Pass Other Other Other Pass Other O	4	9 :	39	47	42.5	Req	Mes	50	90.5	41	50	41	Req	Mes:	47	49	39	47	42.5	Req	Mes:	50	90.5	41
Sew. Alter 10	2		3	4	5	Bun	Siz	1	2	3	4	5	Bun	Siz	1	2	3	4	5	Bun	Siz	1	2	3
Ilme: 8.30-9.30 Sew. Alter Category 10 Stain Mark Rejection Category 9.30-9.30 Category 11 Stain Mark Rejection Category 11 Stain Mark Rejection Category 11 Stain Mark Rejection Category 11 Stain Mark Rejection Category 12 Skip Stitch 3 Oil Sewing Stitch A Dirt Fabric Hole Pass Other Sew Alter Category 10 Other Defect Codes DHU% Defect DHU% Defect DHU% Category 10 Stain Mark Rejection Category 10 Stain Mark Rejection Category 10 Stain Mark Rejection Category 10 Stain Mark 10 Stain	eası	urem	ent C	heck I	Point	dle	e.	Me	asuren	nent	Check	Point	dle	i.e	Леаs	urem	ent C	heck	Poin	dle	e.	Mea	surem	ent
Sew. Alter Category 10 Stain Category 11 Stain Mark Rejection Category 11 Stain Mark Rejection Category 11 Stain Mark Rejection Category 11 Stain Mark Rejection Category 11 Stain Mark Rejection Category 12 Skip 3 Oil Sewing Stitch A Dirt Fabric Hole Other Fab Sew Alter Category Alteration DHU% Defect Codes DHU% Category	D	efect				•			DHU%	6		Defect		·			·		Dŀ	- U%				
Sew. Alter Category 10 Stain Rejection Stain Rejection Category 10 Stain Mark Category 10 Stain Mark Category 10 Stain Mark Category 11 Stain Mark Rejection Category 12 Stitch 3 Oil Sewing Stitch Alteration Stain Rejection Category 131 Stitch Stitch 3 Oil Sewing Stitch Alteration Stain Rejection Category	F	Pass	Alte		1 3							Pass Qty	Se Alte	w erati	5									
Sew. Alter Category 10 Stain Mark Rejection Category 10 Stain Mark Rejection Category 10 Stain Mark Rejection Category 11 Stain Mark Rejection 12 Stain Mark Rejection 12 Stain Mark Rejection 13 Stitch 3 Oil Sewing Stitch 4 Dirt Fabric Hole Other Pabs Sew Alteration Other Defect Codes Other Other Defect Codes Other Other Defect Codes Other Other Defect Codes Other Other Other Defect Codes Other					2	Di	rt					0-	Sti	ch	2	Dirt								
Sew. Alter Category 10 Stain Mark Rejection Category 9.30 10.30 Category 11 Stain Mark Rejection Category 11 Stain Mark Rejection Category 12.30 Category 13.30 Category 14.30 Category 15.30 Category		,			3	0	il		Sewin			,			3	Oil			Se	wing				
Sew. Alter Sew. Alter Category 10 Stain Mark Rejection Stain Mark Rejection Stain Mark Rejection Stain Rejection Stain Mark Rejection Category 10.30 Categor 11 Stain Mark Rejection Category Rejection Category Rejection Category Rejection Category Rejection Rejection Category Rejection Rejection Category Rejection Rejecti	10	.30-			1 8				•			11.30-	Alt	er gor	10									
Sew. Alter Sew. Alter Category 10 Stain Rejection Stain Rejection Stain Category 10.30 Category 11 Stain Rejection Category 12 Stitch St	D	efect							DHU%	6		Defect							Dŀ	-1∪%				
Sew. Alter Sew. Alter Sew. Alter Sew. Alter Category 10 Stain Mark Rejection Stain Rejection Stain Mark Rejection Category 10.30 Category 11 Stain Mark Rejection Category Stain Category Stain Category Stain Category Stain Category Stain Category Stain Category Categ	(Qty			5							Qty	Se	w	4									
Ilme: 8.30- 9.30 Sew. Alter Category 10 Stain Mark Rejection Category 10.30 Category 11 Stain Mark Rejection Category 11 Stain Mark Rejection Category 12.30 Category 13.30 Category 14.30 Category 15.30 Category 15.30					3	Di	rt								4	Dirt								
8.30- Category 10 Stain Mark Rejection Category 10.30 Category 11 Mark Rejection Category 10.30 Category 11 Mark Category				•	2	0	il		Sewin	9		,	Sk	ip	3	Oil	T		Sev	wing		1		
T Sew.	8				10				•				Alt Cate	er gor	11				,					

dle	e	Mea	suren	nent C	heck	Point	dle	:e	Mea	surem	nent C	heck F	Point	dle	e.	Леаs	ureme	ent Cl	heck	Poin	dle	e	Meas	surem	nent Cl	heck F	oint
Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5
Req	Mes:	47	49	39	47	42.5	Req	Mes:	50	90.5	41	50	41	Req	Mes:	47	49	39	47	42.5	Req	Mes:	50	90.5	41	50	41
		+.5	٧	٧	٧	٧			+1	٧	٧	٧	+.5			+1	٧	٧	٧	٧			+.5	٧	٧	٧	٧
	XS	+1	+1	+5	5	+1		S	+.5	+1.5	٧	+.5	٧		XS	+1.5	+1	+.5	+.5	+.5		S	+1	٧	+.5	+.5	+1
		+.5	+.5	+1	٧	٧			٧	٧	+.5	٧	٧			٧	٧	٧	٧	+.4			٧	+1	٧	٧	٧
Bundle	Size	Mea	suren	nent C	Check	Point	Bundle	Size	Mea	surem	nent C	heck F	Point	Bundle	Size	Иeas	ureme	ent Cl	heck	Poin	Bundle	Size	Meas	surem	nent Cl	heck F	oint
Bur	Si	1	2	3	4	5	Bur	Si	1	2	3	4	5	Bur	Si	1	2	3	4	5	Bur	Si	1	2	3	4	5
Req	Mes:	47	49	39	47	42.5	Req	Mes:	50	90.5	41	50	41	Req	Mes:	47	49	39	47	42.5	Req	Mes:	50	90.5	41	50	41
		+.5	٧	٧	٧	٧			+1	٧	٧	٧	٧			+.5	+1	٧	٧	٧			٧	٧	٧	٧	٧
	XS	٧	+.5	+.5	+.5	+.5		S	٧	+1.5	+1	+.5	+.5		XS	+.4	+.5	+1	+.5	+.5		S	+1	+.5	+.5	٧	+.5
		+.5	٧	٧	٧	٧			+1	٧	+.5	٧	٧			٧	٧	+.5	+.4	٧			+1	٧	+.4	+1.5	+.4
Bundle	Size	Mea	suren	nent C	check	Point	undle	Size	Mea	surem	nent C	heck F	Point	undle	Size	Иeas	ureme	ent Cl	heck	Poin	undle	Size	Meas	surem	nent Cl	heck F	oint
Bun	Si	1	2	3	4	5	Bun	Si	1	2	3	4	5	Bun	Si	1	2	3	4	5	Bun	Si	1	2	3	4	5
Req N	Mes:	47	49	39	47	42.5	Req	Mes:	50	90.5	41	50	41	Req	Mes:	47	49	39	47	42.5	Req	Mes:	50	90.5	41	50	41
		+1	٧	٧	٧	٧			+.5	٧	٧	٧	٧			+1	٧	٧	+1	٧			٧	+1	+.5	٧	+.5
	XS	+.5	+1.5	+.5	+1	+.5		S	٧	+.5	+.5	+.5	+.5		XS	+.5	+1	+.5	+.5	+.5		S	+.5	+1	+.4	+1	+.4
		+.4	٧	٧	+.5	٧			٧	٧	٧	+1	٧			٧	+1.5	+.5	+.5	+.4			٧	+1.5	٧	٧	+.5

Report 12:

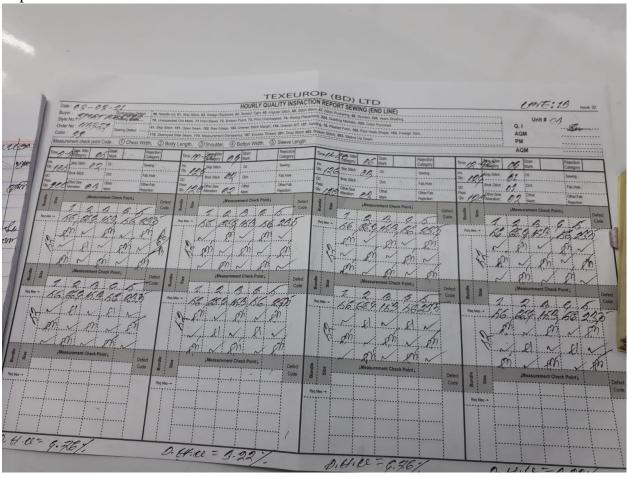


Figure 3-12(Report 13)

Time: 9-	Sew. Alter		Stain	Rejection	Time:1	Sew. Alter		Stain	Rejection	
10	Category	5	Mark	Category	0-11	Categor	4	Mark	Category	
Ins Qt 105	Skip Stitch	2	Oil	Sewing	Ins Qty 124	Skip Stitch		Oil	Sewing	
Qc Pass	Brok Stitch		Dirt	Fabric Hole	Qc Pass	Brok Stitch	2	Dirt	Fabric Hole	
Qty 200	Other Sew Alteration	3	Other Mark	Other Fab Rejection	Qty 120	Other Sew Alterati	2	Other Mark	Other Fab Rejection	
Other Defect Codes				DHU%	Other Defect Codes				DHU%	
Time: 11-12	Sew. Alter Category	6	Stain Mark	Rejection Category	Time: 12-1	Sew. Alter Categor y	4	Stain Mark	Rejection Category	
Ins Qty 126	Skip Stitch	3	Oil	Sewing	Ins Qty 124	Skip Stitch	1	Oil	Sewing	
	Brok Stitch		Dirt	Fabric Hole		Brok Stitch	1	Dirt	Fabric Hole	
Qc Pass Qty 120	Other Sew Alteration	3	Other Mark	Other Fab Rejection	Qc Pass Qty 120	Other Sew Alterati on	2	Other Mark	Other Fab Rejection	
Other Defect Codes				DHU%	Other Defect Codes				DHU%	

dle	e e	Mea	surem	ent Cl	neck P	oint	Bundle	e	Mea	surem	ent C	heck I	Point	dle	e.	Иeas	urem	ent C	heck	Poin	Bundle	e.	Mea	surem	nent C	heck I	Point
Bundle	Siz	1	2	3	4	5	Bun	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bun	Size	1	2	3	4	5
Req	Mes:	56	66.4	53	26	23.5	Req	Mes:	56	66.4	53	26	23.5	Req	Mes:	56	66.4	53	26	23.5	Req	Mes:	56	66.4	53	26	23.5
		+.3	٧	+.3	٧	+.3			٧	+.3	٧	+1	٧			+.3	٧	+.3	٧	+.3			٧	+1	٧	+1	٧
	52	٧	+1	٧	+1	٧		52	+.3	٧	+.3	٧	+.3		52	٧	+.3	٧	+.3	٧		52	+.3	٧	+.3	٧	+.3
		+.3	٧	+.3	٧	+.3			٧	+.3	٧	٧	٧			+.3	٧	+.3	٧	+.3			٧	+1	٧	+1	٧
Bundle	Size	Mea	V +.3 V V Measurement Check Point Point Public Pub						heck I	Point	Bundle	Size	Иeas	urem	ent C	heck	Poin	Bundle	Size	Mea	suren	nent C	check I	Point			
Bun	Si	1	2	3	4	5	Bun	Si	1	2	3	4	5	Bun	Si	1	2	3	4	5	Bun	Si	1	2	3	4	5
Req	Mes:	56	66.4	53	26	23.5	Req	Mes:	56	66.4	53	26	23.5	Req	Mes:	56	66.4	53	26	23.5	Req	Mes:	56	66.4	53	26	23.5
		٧	+1	٧	+.3	٧			+.3	٧	+.3	٧	+.5			٧	+1	٧	+1	٧			+.3	٧	+.3	٧	+.3
	52	+.3	٧	+.3	٧	+.3		52	٧	+1	٧	+1	٧		52	+.3	٧	+.3	٧	+.3		52	٧	+1	٧	+1	٧
		٧	+1	٧	+1	٧			+.3	٧	+.3	٧	+.3			٧	+.3	٧	+.3	٧			+.3	٧	+.3	٧	+.3
Bundle	Size	Mea	surem	ent Cl	neck P	Point	Bundle	Size	Mea	surem	nent C	heck I	Point	Bundle	Size	Иeas	urem	ent C	heck	Poin	Bundle	Size	Mea	suren	nent C	check I	Point
Bun	Si	1	2	3	4	5	Bun	Si	1	2	3	4	5	Bun	Si	1	2	3	4	5	Bun	Si	1	2	3	4	5
Req	Mes:	56	66.4	53	26	23.5	Req	Mes:	56	66.4	53	26	23.5	Req	Mes:	56	66.4	53	26	23.5		1	56	66.4	53	26	23.5
						Щ																				<u> </u>	\sqcup
						\vdash																				_	$\vdash\vdash$
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Report 13:

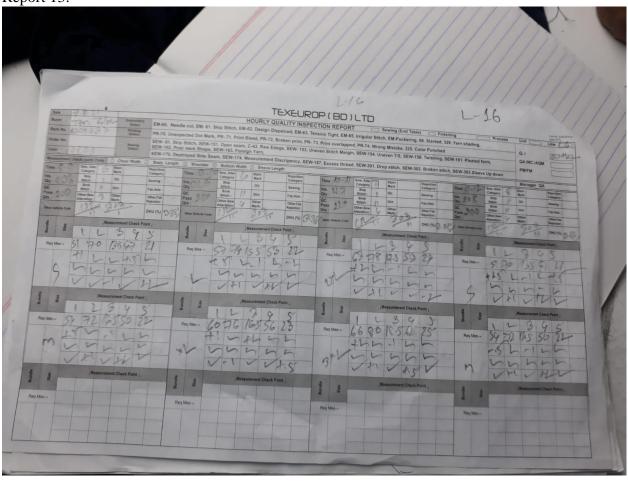


Figure 3-13(Report 13)

Time: 8-	Sew. Alter Category	8	Stain Mark	Rejection Category		Time:9-	Sew. Alter Categor	4	Stain Mark	Rejection Category	
Ins Qt 208	Skip Stitch	1	Oil	Sewing		Ins Qty 225	Skip Stitch		Oil	Sewing	
Qc Pass	Brok Stitch	1	Dirt	Fabric Hole		Qc Pass	Brok Stitch	11	Dirt	Fabric Hole	
Qty 200	Other Sew Alteration	3	Other Mark	Other Fab Rejection		Qty 220	Other Sew Alterati	4	Other Mark	Other Fab Rejection	
Other Defect Codes	15.	2/11, 30	03/11	DHU%	3.30%	Other Defect Codes		152/4,	303/11	DHU%	
Time: 10-11	Sew. Alter Category	7	Stain Mark	Rejection Category		Time: 11-12	Sew. Alter Categor y	8	Stain Mark	Rejection Category	###
Ins Qty 227	Skip Stitch	1	Oil	Sewing		Ins Qty 208	Skip Stitch	11	Oil	Sewing	
	Brok Stitch	11	Dirt	Fabric Hole			Brok Stitch	11	Dirt	Fabric Hole	
Qc Pass Qty 220	Other Sew Alteration	Sew 4 Other		Other Fab Rejection		Qc Pass Qty 200	Other Sew Alterati on	4	Other Mark	Other Fab Rejection	
Other Defect Codes	15.	2/11, 30	03/11	DHU%	3%	Other Defect Codes		152/11,	303/11	DHU%	4%

Bundle	Size	Mea	surem	ent Ch	neck P	oint	Bundle	Size	Mea	surem	ent C	heck F	Point	3undle	ie.	Иеаs	urem	ent C	heck	Poin	Bundle	ie.	Meas	uren	nent C	heck I	Point
Bun	Siz	1	2	3	4	5	Bun	Siz	1	2	3	4	5	Bun	Size	1	2	3	4	5	Bun	Size	1	2	3	4	5
Req	Mes:	51	70	13.5	47	21	Req	Mes:	57	74	15.5	53	22	Req	Mes:	68	78	17.5	59	24	Req	Mes:	51	70	15.5	47	11
		+1	٧	٧	+.5				+.5	٧	-1	٧	-2			+2	٧	-1	٧	٧			+1.5	٧	-1	٧	+.5
	S	٧	٧	,	٧	٧		L	٧	٧	٧	٧	٧		2XL	٧	٧	٧	٧	٧		S	٧	٧	٧	٧	٧
		٧	٧	-1	٧	+2			٧	+1	٧	+2	٧			٧	+1	٧	٧	-2			٧	+1	٧	+2	٧
Bundle	Size	Mea	surem	ent Ch	neck P	oint	Bundle	Size	Mea	surem	ent C	heck F	Point	Bundle	Size	Иеаs	urem	ent C	heck	Poin	Bundle	Size	Meas	uren	nent C	heck I	Point
Bun	Siz	1	2	3	4	5	Bun	Siz	1	2	3	4	5	Bun	Siz	1	2	3	4	5	Bun	Siz	1	2	3	4	5
Req	Mes:	54	72	14.5	50	22	Req	Mes:	60	76	16.5	556	23	Req	Mes:	66	80	18.5	25		Req	Mes:	54	72	14.5	50	22
		+.5	٧	-1	٧	٧			+1	٧	+2	٧	٧			+2	٧	-1	٧	٧			5	٧	-1	٧	٧
	М	٧	٧	٧	٧	٧		XL	٧	٧	٧	٧	٧		3XI	٧	٧	٧	٧	٧		М	٧	٧	٧	٧	٧
		٧	+1	٧	+2	٧			٧	-1	٧	٧	+.5			٧	+1	٧	+.5	٧			٧	+1	٧	+2	٧
dle	Size	Mea	surem	ent Ch	neck P	oint	Bundle	Size	Mea	surem	ent C	heck F	Point	Bundle	Size	Иеаs	urem	ent Cl	heck	Poin	Bundle	Size	Meas	uren	nent C	heck I	Point
Bundle	Siz						Bun	Siz						Bun	Siz						Bun	Siz					
Req	Mes:						Req	Mes:						Req	Mes:												Ħ

Report 14:

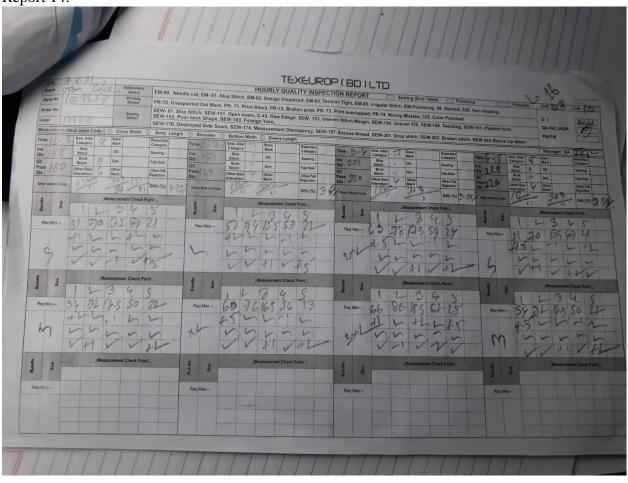


Figure 3-14(Report 14)

			Time: 12-1	Sew.		8	Stain Mark			ejection ategory		Ti	me: 9- 8	Alter Categor	7	St a				ction							
			Ins Qty 188	Sk Stit			Oil		s	ewing			s Qty 167	Skip Stitch	1	Oi	il		Sev	ving							
			Qc	Bro Stit		11	Dirt		F	abric Hole			Qc	Brok Stitch	11	Dii	rt			bric ole							
			Pass Qty 180	Other Altera		6	Other Mark			her Fab		(Pass Qty 166	Other Sew	4	Oth Ma				r Fab							
			Other	Altera	ation		IVI al K	•	T.E	gection			Other	Alterati		IVI e	ai K		Keje	CLIOTI	<u> </u>	-					
			Defect Codes		152/11	,303/	81, 151/	/11		OHU%	4.25		efect odes		152/11	, 703/	11		DH	lU%	49	6					
			Time: 3- 4	Sew. / Cate		7	Stain Mark			ejection ategory		Tir	me: 4- 5	Sew. Alter Categor y	8	Sta Ma				ction							
			Ins Qty 227	Sk Stit		1	Oil		s	Sewing			s Qty 228	Skip Stitch	11	Oi	il		Sev	ving							
			Qc	Bro Stit		11	Dirt		F	abric Hole				Brok Stitch	11	Dii	rt			bric ole							
			Pass Qty 21222 0	Other Altera		4	Other Mark			her Fab ejection		F	Qc Pass Qty 220	Other Sew Alterati	4	Oth Ma				r Fab ction							
			Other Defect Codes		15:	2/11, 3	03/1			DHU%	3%	D	other efect odes		152/11m	n, 303	/11		DH	IU%	49	6					
dle	a	Mea	surem	ent Ch	heck F	Point	dle	ө	Mea	surem	nent C	heck	Point	dle	е	Иeas	urem	ent C	he ck	Poin	dle	 	Mea	uren	nent Ch	neck (Point
Bundle	Siz	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5
Req	Mes:	51	70	13.5	_	121	Req	Mes:	57	74	13.5	53	22	Req	Mes:	_	78	17.5	59	24	Req	Mes:		70	13.5	47	21
		+1	٧	٧	+2	٧			+2	٧	٧	-1	٧	4			٧	٧	-1	٧			+1.5		-1	٧	-2
	S	٧	٧	٧	٧	٧		L	<u>۷</u>	٧	٧	٧	٧	_	2XI	٧	٧	٧	٧	٧		S	٧	٧	٧	٧	٧
		٧	٧	-1	٧	+.5			٧	٧	+1	٧	+.5			٧	٧	+1	٧	+2			٧	+1	٧	+2	٧
Bundle	Size	Mea	surem	ent Ch	heck F	Point	Bundle	Size	Mea	asurem	ent C	heck	Point	Bundle	Size	Иeas	urem	ent C	heck	Poin	Bundle	Size	Mea	uren	nent Ch	neck F	Point
Bur	Si	1	2	3	4	5	Bur		1	2	3	4	5	Bur	Si	1	2	3	4	5	Bur	Si	1	2	3	4	5
Req	L Иes:	34	72	14.5	50	22	Req	Mes:	60	76	16.5	56	13	Req	Mes:	66	86	18.5	62	25	Req	Mes:	54	72	14.5	50	22
		+2	٧	-1	٧	٧			+.5	٧	٧	-1	٧			+1	٧	+2	٧	+.5			+.5	٧	٧	-1	٧
	М	٧	٧	٧	٧	٧		ΧI	٧	٧	٧	٧	٧		3XI	٧	٧	٧	٧	٧		М	٧	٧	٧	٧	٧
		٧	+1	٧	٧	+2			٧	٧	+1	٧	+2			٧	-1	٧	-2	٧			٧	٧	+1	٧	+2
Bundle	Size	Mea	surem	ent Ch	heck f	Point	Bundle	Size	Mea	surem	ent C	heck	Point	Bundle	Size	Иeas	urem	ent C	heck	Poin	Bundle	Size	Meas	urem	nent Ch	ıeck f	Point
Bur	S						Bui	S						Bur	S						Bui	S					
Req	Mes:						Req	Mes:						Req	Mes:												
													-	4												<u> </u>	
																										<u> </u>	

Report 15:

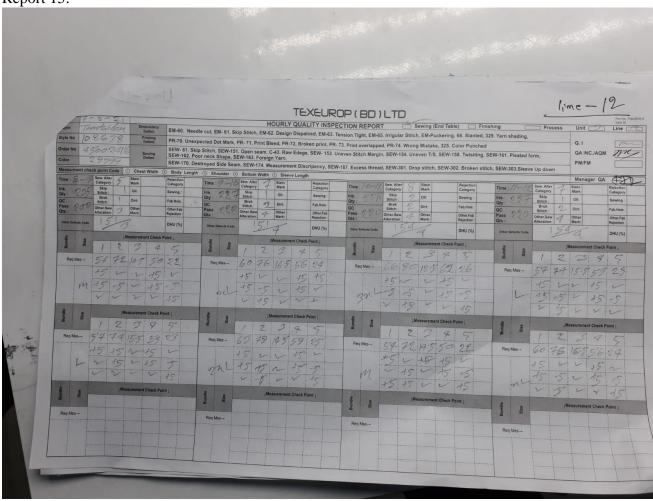


Figure 3-15(Report 15)

				 	_				-			
Other Defect Codes		154/	4	DHU%	4%	Other Defect Codes		154	1/4	DHU	%	4%
Pass Qty 21222 0	Other Sew Alteration	4	Other Mark	Other Fab Rejection		Qc Pass Qty 220	Other Sew Alterati on	4	Other Mark	Other Reject		
Qc	Brok Stitch	2	Dirt	Fabric Hole			Brok Stitch	2	Dirt	Fabr Hol		
Ins Qty 228	Skip Stitch	2	Oil	Sewing		Ins Qty 227	Skip Stitch	1	Oil	Sewi	ng	
Time: 10-11	Sew. Alter Category	8	Stain Mark	Rejection Category		Time: 11-12	Sew. Alter Categor y	7	Stain Mark	Reject Categ		
Other Defect Codes		151/3	3	DHU%		Other Defect Codes		151	V4	DHU	%	
Qty 200	Other Sew Alteration	3	Other Mark	Other Fab Rejection		Qty 220	Other Sew Alterati	4	Other Mark	Other Reject		
Qc Pass	Brok Stitch	1	Dirt	Fabric Hole		Qc Pass	Brok Stitch	2	Dirt	Fabr Hol		
Ins Qty 205	Skip Stitch	1	Oil	Sewing		Ins Qty 227	Skip Stitch	1	Oil	Sewi	ng	
Time: 8- 9	Sew. Alter Category	5	Stain Mark	Rejection Category		Time:9- 10	Sew. Alter Categor y	7	Stain Mark	Reject Categ		

dle	Ф	Mea	surem	ent Ch	neck P	oint	dle	Ф	Mea	surem	nent C	heck F	oint	dle	e e	Иeas	urem	ent C	heck	Poin	dle		Mea	urem	ent Ch	neck f	Point
Bundle	Siz	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5
Req N	Mes:	54	72	14.5	50	22	Req	Mes:	60	76	16.5	56	24	Req	Mes:	66	80	18.5	62	26	Req	Mes:	57	74	15.5	53	23
		+.5	٧	٧	+.5	٧			+.5			+.5	+.5			+.5	٧	+.5	٧	٧			+.5	٧	٧	+.5	٧
	М	+.5	5	٧	+.5	5		ΧI	+.5	5		+.5			3XL	5	5	٧	+.5	+.5		L	+.5	5	٧	+.5	5
		٧	٧	٧	٧	+.5				+.5						٧	+.5	٧	٧	+.5			٧	+.5	٧	٧	٧
Bundle	Size	Mea	surem	ent Ch	neck P	oint	Bundle	Size	Mea	surem	nent C	heck F	oint	Bundle	Size	Иeas	urem	ent C	heck	Poin	Bundle	Size	Mea	surem	ient Cl	neck F	Point
Bur	Si	1	2	3	4	5	Bur	Si	1	2	3	4	5	Bur	Si	1	2	3	4	5	Bur	Si	1	2	3	4	5
Req N	Mes:	57	74	15.5	53	23	Req	Mes:	63	78	17.5	59	25	Req	Mes:	54	72	14.5	50	22	Req	Mes:	60	76	16.5	56	24
		+.5	+.5	٧	+.5	٧			+.5	٧	٧	+.5	٧			+.5	٧	+.5	+.5	٧			+.5	٧	٧	+.5	٧
	L	٧	+.5	٧	+.5	5		2XL	٧	+.5	+.5	+.5	5		М	٧	+.5	٧	+.5	+.5		XL	+.5	5	٧	+.5	5
		٧	٧	٧	٧	+.5			٧	-5	٧	٧	+.5			+.5	+.5	٧	٧	+.5			٧	5	٧	٧	+.5
Bundle	Size	Mea	surem	ent Ch	neck P	oint	Bundle	Size	Mea	surem	nent Cl	heck P	oint	3undle	Size	Иeas	urem	ent C	heck	Poin	3undle	Size	Mea	surem	ient Cl	neck F	Point
Bur	Si						Bur	Si						Bur	Si						Bur	Si					
Req N	Mes:						Req	Mes:						Req	Mes:												

Report 16:

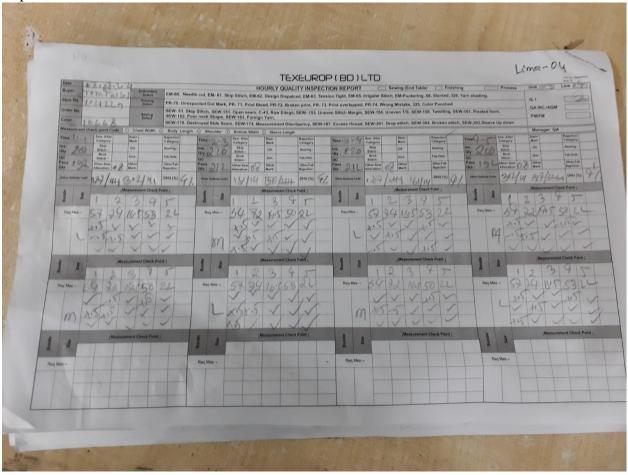


Figure 3-16(Report 16)

			Time: 12-1		. Alter egory		Sta M a			Rejectio Categor		Tim 3		Alter Categor		Stair Mark			Rejec Categ								
			Ins Qty 200	1 ~	kip itch		Oi	il		Sewing		Ins (Qty	y Skip Stitch		Oil			Sewi	ng		1					
			Qc	В	rok		Dii	rt		Fabric			Ť	Brok		Dirt			Fab								
			Pass Qty		itch er Sew	8	Oth	ner		Hole Other Fal	5	_ Q Pa		Stitch Other	_	Ot he	r		Ho Other			1					
			192	Alte	ration	8	Ма	ark		Rejectio	า	Qt	у	Sew Alterati	8	Mark	ĸ	4	Rejec	tion		4					
			Other Defect Codes	t	18	7/41, 3	302/4	1		DHU%		Oth Def Cod	ect		151/41, ·	150/41	l		DHU	J%	4%						
			Time: 3		. Alter egory		Sta M a			Rejection Category		Tim 5		Sew. Alter Categor y		Stair Mark			Rejec Categ								
			Ins Qty 220	, I	kip itch		Oi	iI		Sewing		Ins (Skip Stitch		Oil			Sewi	ng							
					rok itch		Dii	rt		Fabric Hole				Brok Stitch		Dirt			Fab Ho								
			Qc Pass Qty 212		er Sew eration	8	Oth Ma			Other Fal Rejection		Pa Qt Qt 19	ss y	Other Sew Alterati on	8	Ot her			Other Rejec								
			Other Defect Codes	t	18	37/41,	16 1/ 14	ļ		DHU%	4%	Ot l Def	ner ect		04/14,	187/44	4		DHL	J%	4%						
<u>e</u>		Mea	surem	ent Ch	neck P	oint	<u>e</u>		Me	asurem	ent C	heck	Poin	t <u>u</u>		Иeas	urem	ent C	heck	Poin	le		Mea	sure m	nent Ch	neck !	Point
Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5	Bundle	Size	1	2	3	4	5
	1000		,		,			Moss				Ė	_		Most			_	Ľ			Most		_	_		lacksquare
Req	vies.	57 +.5	74	15.5 √	53 √	22 √	req	Mes:	+.5	72 V	14.5 √	50 √	22 √	req	Mes:	5/ +.5	74 √	14.; √	553 +.5	22 √	req	Mes:	+.5	72 √	14.5 √	50 -1.5	22
	L	+.5 5	v +1.5	٧ V	٧ V	٧ V		M	+.5	v +.5	.5	٧ V	V		L	+.5 v	v +.5	٧ V	+.5	٧		М	+.5 5	+.5	٧	-1.5 √	V
	_	<i>5</i> √	\ √	٧ V	V	۷ ا		IVI	+.5	٧.	. <u>J</u> √	V	V		_	·.5	٧.	٧	+.5	_			<i>5</i> √	٧.	٧	V	٧
				-	•						•		1 -					J -									1
dle	e,	Mea	surem	ent Ch	neck P	oint	Bundle	Size	Me	asurem	ent C	heck	Poin [·]	Bundle	Size	Иeas	urem	ent C	Check	Poin	Bundle	Size	Mea	surem	nent Ch	ieck F	Point
Bundle	Size	1	2	3	4	5	Bun	Siż	1	2	3	4	5	Bun	Siz	1	2	3	4	5	Bun	Siz	1	2	3	4	5
Req N	l <u> </u>	64	72	14.5	50	22	Rea	Mes	: 57	74	16.5	53	22	Rea	Mes:	54	72	14.1	550	22	Rea	Mes:	57	74	15.5	53	22
		<u>۷</u>	5	√ √		<u></u>			v	+	<u>√</u>	V	<u></u>	- 1		٧	٧_	<u>ا ا</u>	+.5	٧	- 1		+.5	٧	<u>ا</u>	-1.5	+-
	М	+.5	+.5	٧	٧	٧		L	+.5	-	٧	٧	٧		М	+.5	5	٧	٧	٧		L	٧	+.5	٧	٧	٧
		٧	٧	٧	٧	٧			+.5	٧	٧	٧	٧			٧	٧	٧	٧	٧			-1.5	٧	٧	٧	٧
Bundle	Size	Mea	surem	ent Ch	neck P	oint	Bundle	Size	Me	asurem	ent C	heck	Poin	Bundle	Size	Иeas	urem	ent C	Check	Poin	Bundle	Size	Mea	surem	nent Ch	ıeck (Point
Bur	Si						Bur	Si						Bur	Si						Bur	Si					
Req N	Mes:						Req	Mes						Req	Mes:												
																										$ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$	
																			_							<u> </u>	
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Report 17:

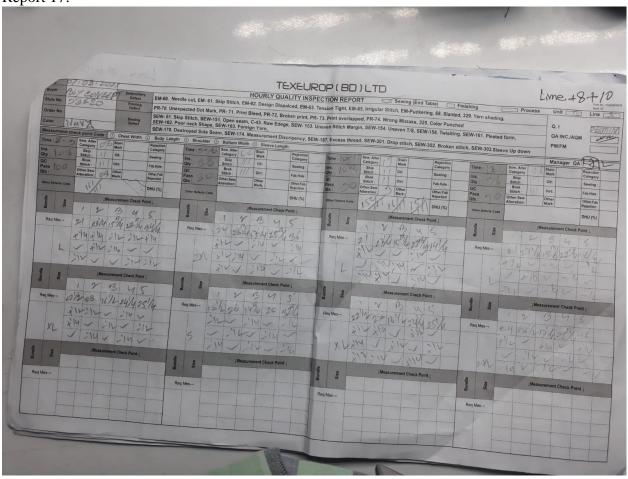


Figure 3-17(Report 17)

			Time: 8		. Alter egory	8	Stain Mark			ejectio			me: 9- 10	Sew. Alter Catego	ш,	6	Stain Mark		Rejectio Catego					
			Ins Qty 103	_	kip itch	11	Oil		s	ewing			Ins :y88	Skip Stitcl		111	Oil		Sewino	9				
			Qc Pass		rok itch	111	Dirt			abric Hole			Qc	Brok Stitcl	1 ا	111	Dirt		Fabrio Hole	;				
			Qty 100		er Sew eration	.3	Other Mark			ner Fa		Р	ass y 80	Othe Sew Altera			Other Mark		Other Fa					
			Other Defect Codes			111/ 111			С)HU%		De	ther efect odes						DHU%	6				
			Time: 10-11		. Alter egory		Stain Mark			ejectio			ime: 2-1	Sew. Alter Catego	١.	h l	Stain Mark		Rejectio Catego					
			Ins Qty 103		kip itch	11	Oil		s	ewing			Qty 96	Skip Stitcl		111	Oil		Sewin	9				
					rok itch	11	Dirt			abric Hole				Brok Stitcl	1	11	Dirt		Fabrio Hole	;				
			Qc Pass Qty 90	Alte	er Sew eration	ч	Other Mark			ner Fa		Р	Qc ass y 90	Othe Sew Altera			Other Mark		Other Fa					
			Other Defect Codes		154/111	, 161/11	1, 151/1	11		OHU%		De	ther efect odes						DHU%	6				
Bundle	Size	N	leasurer	nent C	heck Po	int	Bundle	Size	Mea	suren	nent C	neck	Point	Bundle	Size		Measur	ement (Check Poi	nt	Bundle	Size	N	leasurei
				3	4	5			_	2	3	4	5	-		1	2	3	4	5				2
Req	Mes:			15.75	22.75	34.25	Req	Mes:	-	28.75			+	Req	Mes:	21	27.25	15.75	22.75	14.25	Req	Mes:		27.25
				·1/2 ·1/4	-1/2 √	+1/4 V	-	2XL	+1/2 +1/2		-1/4 √	√ -1/2	-1/4 V		L	√ √	+1/2	√ -1/4	-1/2 V	√ -1/2		L	+1/2	√ +1/8
	L	-1/2	V 1	· 1/4 /	-1/2	-1/2	1	ZAL	+1/2		v -1/2	-1/∠ √	-1/2		L	v -1/4	+1/2	-1/4 V	-1/4	-1/2 V		L	-1/2	√ √
Bundle	Size		leasurer	nent C		,	Bundle	Size		suren	,			Bundle	Size	<i>'</i>	,	ement (Check Poi	nt	Bundle	Size		easurei
Br	0,	1	2 3	3	4	5	BL	0,	1	2	3	4	5	Βι	0,	1	2	3	4	5	BL	0,	1	2
Req N	Mes:	22.5	28 :	16.5	24.25	25.25	Req	Mes:	18.5	26	14.7	20	32.7	Req	Mes:	22.5	28	16.5	24.25	25.25	Req	Mes:	34	28.5
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4 Chapter-IV Discussion of Result

4.1 Discussion of Sewing Line Quality Check:

4.1.1 In-line Check:

Checkpoints for critical operations are generally maintained in the assembly line. In these checkpoints, 100% of checks for partially sewn garments are carried out and faultless parts are transferred into the subsequent process. This type of inspection is used for high-value clothing.

4.1.2 Roaming inspection:

In this case, checkers roam the line and check each operation by random measurement.

4.1.3 Traffic light inspection system:

This inspection technique has been used by certain firms. Every operator is issued a card in this system to measure its quality performance. The quality checker goes to the operator, checks randomly for a few parts, and the inspector marks red or green as per the grading criteria on the card according to the inspection results.

4.1.4 End of line inspection or table checking:

At the end of the line, a checker examines a fully sewn garment. Here is made a 100% check

4.1.5 Audit of the checked pieces:

Although some factories follow this audit method, it is necessary to ensure that only 100% of the examined garment has been sent out from the sewing department to be finished. Before shipping to the final section, all faulty parts have been fixed.

4.2 Garments Finishing Report Analysis

This research shows that 69 types of T-Shirt defects typically occur. 13 kinds of defects were detected. Respectively faults: Skip a stitch, Broken-stitch, Down-stitch, Open seam, joint unmissing, pleat, Armhole point up-down, etc. More than 5-6 defects had been noticed each day. For example Skip Stitch, Open seam, Pleat, Up-down Arm-hole, Un-missing Joint. In a sewing line, we have seen about 80 to 100 alterations per day

4.3 Graphical Analysis



Fig 4.3.1: Graphical Analysis

4.4 Discussion:

We watched and collected data for 1 working day of different styles in different lines at Texeurop (BD) Ltd. We discovered that a total of 49369 pieces of clothing were inspected, with ok products totaling 48187 pieces and faulty garments totaling 1182 pieces, with 106 completely rejected and 1076 merely defective being recoverable. In the upper poll, we can see the sewing faults of 17 reports we collected. In the 1st report we found 60 faults in the 2nd it decreased to 38 in 3ed report it was 32. After the 3rd report, we can see it increased for 4 reports. In the 7th report, we see it was again decreased to 75 faults. And after this report, we can see 8th one have 77 faults and in 9th one has 82 faults. In the 10th one, we see it decreased to 75 faults. But in the 12th poll, there was a big decrease from 78 to 38 faults. And after that in the 13th poll, it increases and stands at 100 faults. In the 14th poll, it was the highest faults detected 117 faults. In the 15th poll, it was 60, and in the 16th poll, it was 40. In the last poll, it shows us almost 90 faults were detected.

5 Chapter V

Conclusion

5.1 Conclusion

From this venture, we have achieved our understanding with regards to how sewing is done, why defects occur during sewing, why sewing disfigurements should be relieved, and how those issues are limit during age. We concentrate on investigated knitwear sewing measures in instant apparel Enterprise, the reasons extending quality imperfections and the requirements were settled for the improvement contemplates. At the point when we inspected the complete merchandise is 49369, then, at that point, we finally discovered by and large a normal 2.39% of sewing Faults. Various sewing faults identify as a broken stitch, skip a stitch, puckering, open seam, and others. To enable a decent quality framework in endeavors, there ought to be an adequate number of qualified staff and the quality cognizance of laborers ought to be increased. In this current condition, the garments industry is adding to the decrease in joblessness issue in Bangladesh. So here we can appreciate from this exploration that in case we can lessen this kind of sewing flaws, at that point we can decrease our proficient dangers and addition our creation. Besides, our generation will be quality full. Quality level should be always improved and consequently, standard training should be set up in the endeavor.

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