



**TUBE INVESTMENTS OF INDIA LIMITED
PLOT NO 45, PK8 SONAL ESTATE
KHODA, SANAND-382110, AHMADABAD**



PPAP

DOCUMENT

CUSTOMER :

Endurance Technologies Limited.
SUSPENSION DIVISI, PLOT NO. E-4,E-21, SANAND PHASE -
2 INDUSTRIAL ESTATE SANAND GIDC AHMADABAD

SUPPLIER :-

TUBE INVESTMENTS OF INDIA LIMITED
PLOT NO 45 PK8 SONAL ESTATE
KHODA, SANAND-382110, AHMADABAD


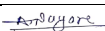
COMPONENT: -

Sr. No.	Part Name	Drawing No.	Rev.
1	Fork Pipe Machined(K86)	F1FA01333O	XB

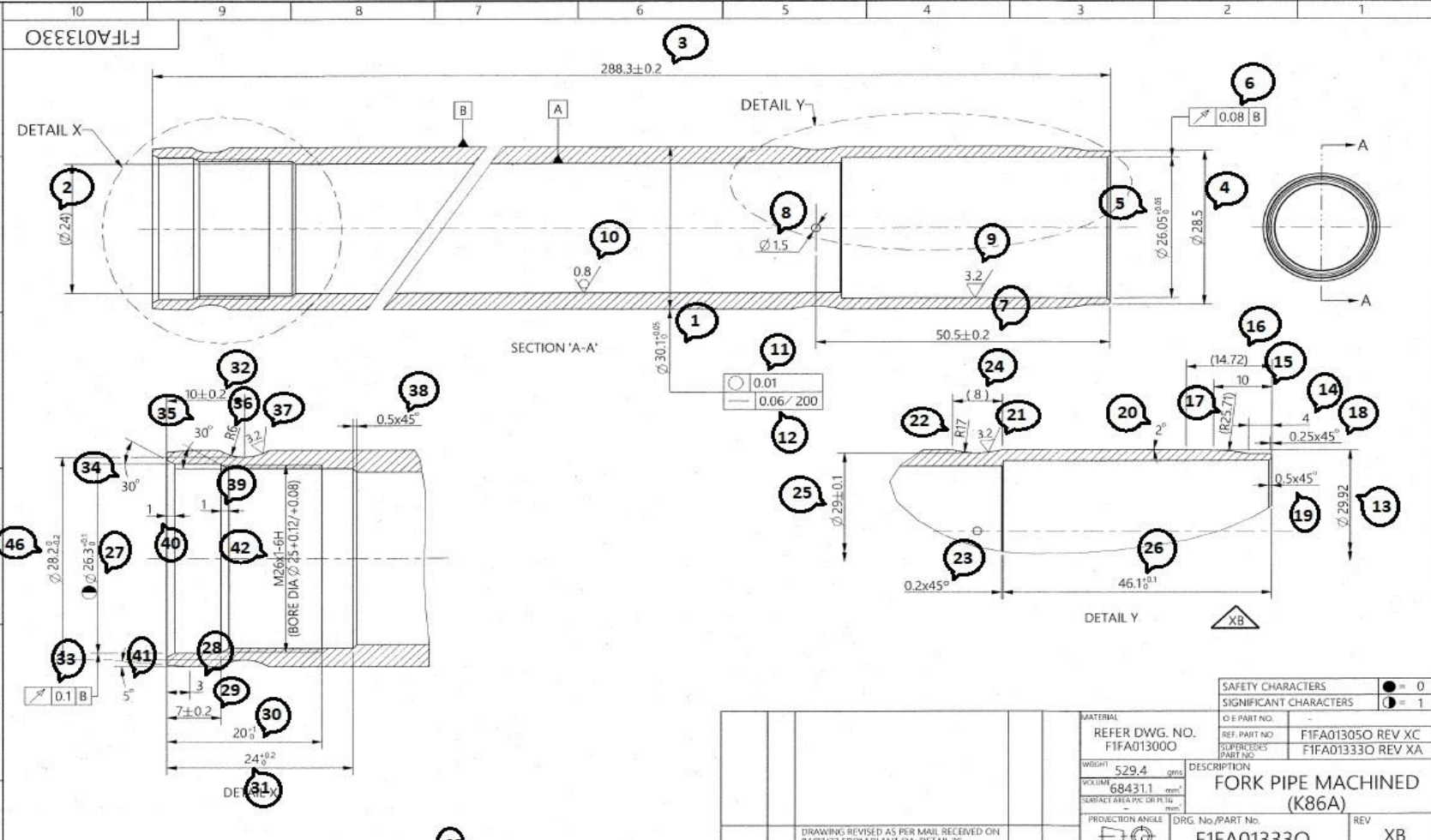


PPAP DOCUMENT VERIFICATION CHECK LIST



					Date	19-02-2024	
Supplier Name :		TUBE INVESTMENTS OF INDIA LIMITED		Location	KHODA, SANAND	Supplier Code	101109
Part Description		Fork Pipe Machined(K86A)		Part No.:	F1FA013330 - XB	Model:	Honda
Sr. No.	Document Title	Requirements	Verification By Supplier	Verification By ETPL	Remarks		
1	Design Record						
	A. Drawing with baloon Marking	Yes	YES				
	B. Bill of Material	-					
	C. Testing Standard	Yes	YES				
2	Engineering Change Documents, If Any	-					
3	Customer Engg. Approval, If Required	-					
4	Design FMEA, If Applicable	-					
5	Process Flow Diagram	Yes	YES				
6	Process FMEA	Yes	YES				
7	Dimensional Report						
	A. Layout Inspection Report	Yes	YES				
	B. PDI Report	Yes	YES				
8	Material / Performance Test Report						
	A. Mechanical Properties Test Report	Yes	YES				
	B. Chemical Properties Test Report	Yes	YES				
	C. Functional Test Report (SST, CASS, Validation Test)						
9	Initial Process Study						
	A. List of Significant Parameter	Yes	YES				
	B. Process capability Study for all significant parameter.	Yes	YES				
	C. Study of Fitment, Function & aesthetic Parameter	Yes	NA				
	D. List of Pokayoke	Yes	NA				
10	Measurement System Analysis Studies	Yes	YES				
11	Qualified Laboratory Documentation	Yes	YES				
12	Control Plan	Yes	YES				
13	Part Submission Warrant						
	A. Weight Details	Yes	YES				
	B. PSW with weight as per sheet A	Yes	YES				
14	Appearance Approval Report	Yes	YES				
15	Bulk Material Requirement	-					
16	Sample Product	Yes					
17	Master Sample	Yes	YES				
18	Checking Aids	Yes	YES				
19	Other Document						
	A. Packing standard	Yes	YES				
	B. Raw material source or outsource Supplier details	Yes	YES				
	C. Manufacturing Process details	Yes	NO				
	D. Supplier Contact Details	Yes	YES				
Observation:							
 Mr. Pakak Shah Prepared By (Supplier)		 Mr. Anand Nagare Checked By (Supplier)		Approved By (ETPL)			

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- NOTE:-
- 1) PART TO BE FREE FROM BURR, DENT, SCRATCH MARK'S AFTER MACHINING
 - 2) NO LEAKAGE AT 5 Kg/cm² MIN AIR PRESSURE
 - 3) APPLY RUST PREVENTIVE OIL, MAKE CASTROL, GRADE-DW 901, ON ID WHILE IN STORAGE OR IN TRANSIT.

04.07.22	XB	DRAWING REVISED AS PER MAIL RECEIVED ON 04/07/22 FROM PLANT QA. DETAIL 'Y' UPDATED ACCORDINGLY	4.117
01.09.17	XA	NEW RELEASE FOR DEVELOPMENT	ECR-4322-S
DATE	REV	ALTERATION	CD

NOTE: 1. UNDETERMINED TOLERANCES AS PER IS-2102 (PART-0) MEDIUM - 0.10 (DO NOT SCALE REFERENCE ONLY)

mm 0 10 20 30 40 50 60

MATERIAL		REFER DWG. NO. F1FA013000	
WEIGHT 529.4 gm		DESCRIPTION FORK PIPE MACHINED (K86A)	
VOLUME 68431.1 mm ³		DRG. No./PART No. F1FA013330	
SURFACE AREA PRE. OR PL. mm ²		REV XB	
PROJECTION ANGLE	DRG. No./PART No.	SCALE	1:1
4:1	F1FA013330	SHEET NO.	1 OF 1
DRAWN BY	CHECKED BY	APPROVED BY	
Amor			

ENDURANCE SUSPENSION DIVISION
 E-92, MIDC WALU, AURANGABAD (M. S.)-431136, INDIA
 Ph: +91-240-2554902, 25564595. Fax: +91-240-2555423

Sr No.	TESTING STANDARDS
1	Material Specifications : SAE1541 (ASTM J403)
2	Mechanical Testing : JIS G3445 Z2201



PROCESS FLOW DIAGRAM



Vendor Name :		Tube Product of India Ltd					Doc.No :		GE/PFD-02	
Part No.:F1FA013330		REV :XB					Doc.Ref :			
Part Desc.:Front Fork		Fork pipe plated (K86A)					Date:		09.01.2024	
SEQ NO	Process & Description	Raw Material Source	Symbols					Machine(s) / Equipment(s) used	Desired Outcome/ Product characteristics	Process Characteristics
			OPERATION 	INSPECTION 	DECISION 	TRANSPORT 	STORAGE 			
10	R/M FROM T.I.		*****							
	R/M INSPECTION			*****	*****				AS PER QUALITY PLAN	
	R/M STORAGE						*****			
20	CNC MACHINING CAULKING SIDE		*****	*****	*****			CNC MACHINE	Ø 26.05 (+0.05/+0.0) & 46.1 +0.1/-0.0 MM	
30	CNC MACHINING		*****	*****				CNC MACHINE	BORE-46.10,TOTAL LENGTH - 288.30, THRED - M26	
40	DRILLING		*****	*****				DRILLING SPM	DRILLING-1.5MM	
50	DE-BURRING		*****	*****					I D CLEAN	
60	OILING		*****							
70	FINAL INSPECTION			*****	*****				AS PER QUALITY PLAN	
80	DESPATCH					*****				

P. Palak Shah

Prepared By : Mr. Palak Shah

Anand Nagare

Approved By : Mr. Anand Nagare

TPI Warehouse Work Test Certificate



TUBE INVESTMENTS OF INDIA
TUBE PRODUCTS OF INDIA - GUJARAT C & F
 GAJANAN ENGINEERS, E497,HIRAPUR INDUSTRIAL ESTATE, NEAR BOL VILLAGE, SANAND - II,
 AHMADABAD - 382110



Customer	:ENDURANCE TECHNOLOGIES LIMITED	WTC NO:
	: (SUSPENSION DIVISION)	PGCD2410352
	: PLOT NO. E-4,E-21, SANAND PHASE -2	Date: 23-JAN-24
	: INDUSTRIAL ESTATE SANAND - GIDC AHMEDABAD	
	: CITY-AHMEDABAD State-GUJARAT PinCode-382110	
Itemcode	: 3D1799126268105T Plant STN No - PAH-STN-12003	
Description	: 30.10 X 24.00 X .00 X 288.30 X C/L X CDWCOMP X 101187 X MANI	
Ex.Inv.NO & Dt	: PGC-GST-44613 & 23-JAN-24	
Ar.Inv.NO & Dt	: 3027010044424 & 23-JAN-24	Quantity
Ind/Classf	: FRONT FORK - MANIPULATED	No : 110
Specificaon	: SAE 1541- K86 DRUM/DISC	Mtr : 30
Heat No	: A527597 Job No: AFF23AB03010028	Ton : .062

Tube Size (mm)	OD		ID		Thick		Length	
	Min	Max	Min	Max	Min	Max	Min	Max
	30.10		24.00				288.3	
Tolerance (mm)	-0.0	+0.08	-0.15	+0.0			-0.20	+0.20

Dimensions	UOM	Spec		Actual		Chemical %	Spec		Actual
		Min	Max	Min	Max		Min	Max	
OD	MM	30.10	30.18	30.1	30.18	Carbon	0.360	0.440	0.411
ID	MM	23.85	24.00	23.85	24	Manganese	1.350	1.650	1.480
Thick	MM			0	0	Sulphur		0.050	0.003
Length	MM	288.10	288.50	288.1	288.5	Phosphorous		0.040	0.018
						Silicon	0.150	0.300	0.178

Dimensions	Spec	Actual	Chemical %
Straightness	0		Aluminium
Fin Height			Copper
Ovality OD			Chromium
Ovality ID			Nickel
Concentricity			Vanadium
	Min	Max	Actual
OD Cham Dim MM			Boron
Land Dim MM			Niobium
OD Cham Ang Deg			
ID Cham Ang_Deg			
Visual	Free from Burr, Rust and Dent		

Destructive Test	Spec	Actual	Mechanical	UOM	Spec		Actual
					Min	Max	
Flattening			UTS	MPA	863		1037.78
Rev., Flattening			YST	MPA	715		960.23
Flange			%Elongation		15		18
Crushing			Hardness	HRC	24	32	30
Flare			Sur Fin OD				
Impact Test			Sur Fin ID	RA MAX		.8	.7
NonDestruct Test	Spec	Actual	Grain Size				
Eddy Current		NO FLAW					
Pressure							
Ultrasonic							

Marking :
 Prepared By : For Tube Products of India

Signature Digital Test Report generated from ERP,
therefore no signature is required



TUBE INVESTMENTS OF INDIA LIMITED



Mechanical Test Certificate

Sr No.	Parameters	Required	Observed
1	UTS (Mpa)	863 Min	1037.78
2	YS (Mpa)	715 Min	960.23
3	Elongation %	15% Min	1800%
4	Hardness HRC	24+/-4	30

Palak Shah

**Prepared By
Palak Shah**

Anand Nagare

**Approved By
Anand Nagare**



TUBE INVESTMENTS OF INDIA LIMITED



Chemical Properties

Chemical	% C		%Mn		% Si	%S	%P
	Min	Max	Min	Max	Max	Max	Max
Required Dimension	0.36	0.44	1.35	1.65	0.3	0.05	0.04
Observed Dimension	0.411		1.48		0.178	0.003	0.018

Palak Shah

Prepared By
Palak Shah

Anand Nagare

Approved By
Anand Nagare

SUMMARY OF INITIAL PROCESS STUDIES

Part Name: Fork Pipe Machined(K86)

Part No. & Rev: F1FA01333OXB

Supplier Name: TUBE INVESTMENTS OF INDIA LIMITED ,PLOT NO 45, PK8 SONAL ESTATE,KHODA, SANAND

Sr No.	Special Characteristics description	Class	Specs	Instrument / Gauge	Least Count	Variable / Attribute	Target (Pp, Ppk) or (Cp, Cpk)	Actual (Pp, Ppk) or (Cp, Cpk)	Justification / Remarks
1	Thread Side Bore Dia.26.3 +0.1/0		26.3 +0.1/0	Dial Bore Gauge	0.01 mm	Variable		CP : 2.31 CPK : 1.69	OK

Prepared by : Abishek Yadav

Date :- 22.01.2024

1. Significant Characteristics

Checked by :- Palak Shah

Date :- 22.01.2024

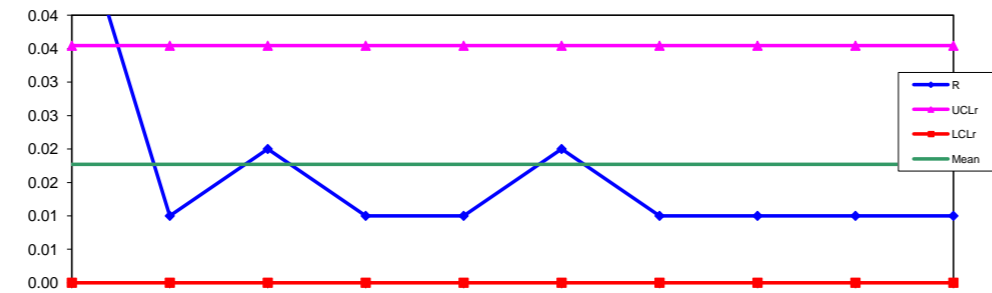
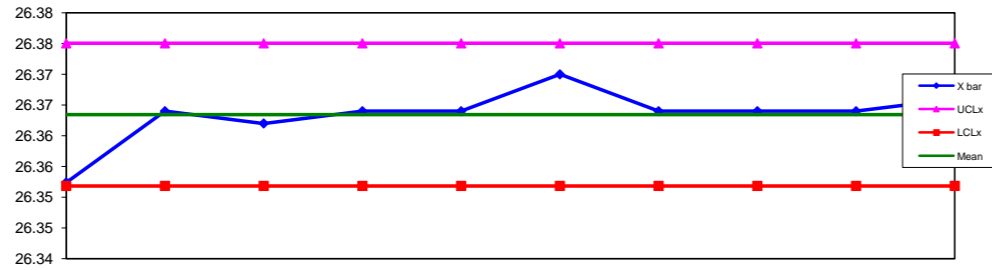
2. Safety Significant Characteristics

Approved by :- Anand Nagare

Date :- 22.01.2024

Statistical Process Capability Analysis

PART NUMBER :		Description of Significant/Critical Char.	SPECIFICATION (MM)		Date of Production		Process capability Results								
PART NAME: Inner tube fork pipe			Upper limit	Lower limit	22.01.2024										
Size :Dia. 30.10 x 24 x 288.3 mm (Honda - Model)		26.30+0.1	26.400	26.300	Inspector Name		Grand X bar =	26.36	Average of all sample readings						
Machine : Marshal Machine					Abishek		R bar =	0.02	Average of individual ranges						
INSTRUMENT NO:		INSTRUMENT NAME: Bore guage				Sigma =	0.01	R bar/d2 = R bar/2.33							
Time	8:30	9:30	10:30	11:30	12:30	13:30	14:30	15:30	16:30	17:30	UCLx =	26.38	Grand X bar + (A2xR bar)		
Sample group	1	50	100	150	200	250	300	350	400	450	LCLx =	26.35	Grand X bar - (A2xR bar) (where A2 = 0.577 for 5 samples)		
Sample no.	x1	x2	x3	x4	x5							UCLr =	0.04	R bar x D4 (where D4 = 2.11)	
	26.38	26.36	26.34	26.32	26.36							LCLr =	0.00	R bar x D3 (where D3 = 0)	
	26.37	26.36	26.36	26.36	26.36							Cp =	2.31	(USL-LSL) / (6xSigma)	
	26.37	26.36	26.37	26.37	26.37							Cpk-1	1.69	(USL-Xbar) / (3xSigma)	
	26.35	26.36	26.36	26.36	26.37							Cpk-2	2.933	(Xbar-LSL) / (3xSigma)	
	26.35	26.36	26.36	26.36	26.36							Cpk =	1.69	(The lower one from Cpk-1 & Cpk-2)	
X bar	26.35	26.36	26.36	26.36	26.36										
R	0.06	0.01	0.02	0.01	0.01										



OTHER REMARKS

Conducted By: Abishek Yadav



GAUGE REPEATABILITY & REPRODUCIBILITY STUDY



Location: TPI Shirwal	Dt. of study	Work order no.		Size (mm)	30.1 x 24 x 290.50			Instrument Name	Micrometer				
	09.01.2024	Specification	SAE 1541		Customer	ETPL			Instrument Type	Flat			
Characteristics	OD	Tolerance (mm)	30.10 +0.08/-0.0			Tolerance range	0.08			Instrument Range & LC	25-50 mm		
(r)No of Trials	3	Appraiser	3	No. of parts(n)	10	Instrument Code:				Instrument LC:	0.01 mm		
Operator / Trial	Part										Average		
	1	2	3	4	5	6	7	8	9	10			
Operator 1	30.07	30.05	30.06	30.07	30.05	30.05	30.05	30.06	30.05	30.06	30.057		
'A'	2	30.07	30.05	30.06	30.07	30.05	30.05	30.05	30.06	30.05	30.06	30.057	
	3	30.07	30.05	30.06	30.06	30.05	30.05	30.05	30.06	30.05	30.06	30.056	
	Average	30.0700	30.0500	30.0600	30.0667	30.0500	30.0500	30.0503	30.0600	30.0500	30.0600	Xa =	30.0567
Range	0.0000	0.0000	0.0000	0.0100	0.0000	0.0000	0.0010	0.0000	0.0000	0.0000	Ra =	0.0011	
Operator 1	30.07	30.05	30.06	30.06	30.05	30.05	30.05	30.06	30.05	30.05	30.055		
'B'	2	30.07	30.06	30.06	30.06	30.05	30.05	30.05	30.06	30.05	30.06	30.057	
	3	30.07	30.05	30.06	30.06	30.05	30.05	30.05	30.06	30.05	30.06	30.056	
	Average	30.0700	30.0533	30.0600	30.0600	30.0500	30.0500	30.0510	30.0600	30.0500	30.0567	Xb =	30.0561
Range	0.0000	0.0100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0100	Rb =	0.0020	
Operator 1	30.07	30.05	30.06	30.06	30.05	30.05	30.05	30.06	30.05	30.06	30.056		
'C'	2	30.07	30.05	30.06	30.06	30.05	30.05	30.06	30.06	30.05	30.06	30.057	
	3	30.07	30.05	30.06	30.06	30.05	30.05	30.05	30.06	30.05	30.06	30.056	
	Average	30.0700	30.0500	30.0600	30.0600	30.0500	30.0500	30.0533	30.0600	30.0500	30.0600	Xc =	30.0563
Range	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0100	0.0000	0.0000	0.0000	Rc =	0.0010	
Part average(Xp)	30.0700	30.0511	30.0600	30.0622	30.0500	30.0500	30.0516	30.0600	30.0500	30.0589	X	30.0564	

CONSTANTS

$R = (Ra + Rb + Rc) / (\text{No. of appraisers}) =$	0.0014	Parts	2	3	4	5	6	7	8	9	10
$\bar{X} \text{ diff} = [\text{Max } \bar{X}] - [\text{Min } \bar{X}] =$	0.0006	K3	0.71	0.52	0.45	0.40	0.06	0.06	0.05	0.05	0.05
$\sqrt{UCL_R = R * D_4} =$	0.0035	Appraisers	2	3	Trials	2	3	Trials	2	3	
If any Range Value is Greater than UCL _R (Highlighted) then identify the cause & correct. Recompute R		K2	0.71	0.52	K1	0.89	0.59	D ₄	3.27	2.58	

Repeatability- Equipment Variation (EV) $EV = \sqrt{R} * K1$ 0.000807427	% of Total Variation (TV) % of Equipment Variation (%EV)=(100*[EV/TV]) = 7.7%
Reproducibility-Appraiser Variation (AV) $AV = \sqrt{(X_{DIFF} * K_2)^2 - (EV^2/nr)}$ 0.0002771	% of Appraiser Variation (%AV)=(100*[AV/TV]) = 2.6%
Repeatability & Reproducibility (GRR) $GRR = \sqrt{EV^2 + AV^2}$ 0.000853648	% of Gauge R&R (%GRR)=(100*[GRR/TV]) = 8.1%
Part Variation (PV) $PV = Rp * K3$ 0.010462	% of Part Variation (%PV)=(100*[PV/TV]) = 99.7%
Total Variation (TV) $TV = \sqrt{GRR^2 + PV^2}$ 0.010496769	No. of Distinct Charectristics (ndc) = 1.41(PV/GRR) = 17.280451

Acceptance Criteria :

- The No. of Distinct Charectristics (ndc) should be greater than 5
- The % R&R should be
 - Under 10% Error - The Measurement system is acceptable
 - 10% ~ 40% of Error - The measurement System is Conditionally Acceptable based on
 - Cost of Instrument is high.
 - The Process Capability (Cpk) is More than 1.67
 - the Charectristic Studied is not a Special Charectristic
 - Over 40% Error - Measurement System is not acceptable. Identify the problem & take Coorrective Action.

CONCLUSION : Measuring System is Acceptable



**QUALIFIED LABORATORY FOR TESTING &
CALIBRATION**

**Page: 01/01
Date: 17.02.2024**

1	Swastik Gauges and Tools	Plug Gauge / Snap Gauge	Master Slip gauge	
2	TMTG	Thread Plug Gauge	Floating Carriage Dia. Measuring M/c	
3	Mitutoyo	Vernier Caliper	Caliper Checker	
4	Mitutoyo	Micrometer	Tungston carbide slip Gauge Set	
5				

P. A. Shah

REVIEWED BY - Palak Shah

Anand Nagare

APPROVED BY - Anand Nagare



PRODUCT WEIGHT DETAILS



Part Name: Fork Pipe Machined(K86) **Part No. & Rev:** F1FA013330
Supplier Name:- TUBE INVESTMENTS OF INDIA LIMITED ,PLOT NO 45, PK8 SONAL ESTATE,KHODA,
SANAND

Sr No.	Weight in Kgs (upto 3 decimels)	Remarks
1	0.546	OK
2	0.546	OK
3	0.546	OK
4	0.546	OK
5	0.546	OK
6	0.546	OK
7	0.546	OK
8	0.546	OK
9	0.546	OK
10	0.546	OK
Average	0.546	OK

P. Palak Shah

Prepared by: - Mr. Palak Shah

Date: 22.01.2024



**TUBE INVESTMENTS OF INDIA LIMITED ,
PLOT NO 45, PK8 SONAL ESTATE, KHODA, SANAND, AHMADABAD**



Part Submission Warrant

Part Name **Fork Pipe Machining(K86A)** Cust. Part Number **F1FA013330**
 Shown on Drawing No :- F1FA013330 Org. Part Number _____
 Engineering Change level **XB** Dated 04.07.2022
 Additional engineering changes: _____ Dated _____
 Safety and/or government regulation Yes No. Purchase Order No. _____ Weight (kg) **0.546**
 Checking Aid No _____ Checking Aid Engineering Change Level _____ Dated _____

ORGANIZATION MANUFACTURING INFORMATION **CUSTOMER SUBMITTAL INFORMATION**
TUBE INVESTMENTS OF INDIA LIMITED ,PLOT NO 45, PK8 SONAL **Endurance Technologies Limited. SUSPENSION DIVISI PLOT NO. E-4,E-21, SANAND**
ESTATE,KHODA, SANAND **PHASE -2 INDUSTRIAL ESTATE SANAND GIDC AHMADABAD**

Organization Name & Supplier / Vendor Code 101109 Customer Name/Division
TUBE INVESTMENTS OF INDIA LIMITED ,PLOT NO 45, PK8 SONAL Mr,Diyesh Patel
ESTATE,KHODA, SANAND

Street Address Buyer/Buyer code
Ahemdabad GJ 382110 INDIA **Automobile TFF**
 City Region Postal Code Country Application

MATERIALS REPORTING
 Has customer required Substances of Concern information been Reported? Yes No n/a
 Submitted by IMDS or other customer format: IMDS Submitted _____

Are polymeric parts identified with appropriate ISO marking codes? Yes No n/a

REASON FOR SUBMISSION
 Initial Submission Change of Optional Construction or Material
 Engineering change(s) Supplier or Material Source Change
 Tooling: Transfer,Replacement, Refurbishment or Additional. Change in Part Processing
 Correction of Discrepancy Part produced at New / additional location
 Tooling Inactive > than 1 year Other - Change in the Equipment of Final Tempering

REQUESTED SUBMISSION LEVEL (Check one)
 Level 1 - Warrant only (and for designated appearance items, an Appearance Approval Report) submitted to customer.
 Level 2 - Warrant with product samples & limited supporting data submitted to customer.
 Level 3 - Warrant with product samples & complete supporting data submitted to customer.
 Level 4 - Warrant & other requirements as defined by customer.
 Level 5 - Warrant with product samples & complete supporting data reviewed at organization's manufacturing location.

SUBMISSION RESULTS
 The results for dimensional measurements material and functional tests appearance criteria statistical process package. The results meet all drawing and specification requirements Yes If "NO" - Explan _____
 Mold / Cavity / Production Process _____

DECLARATION
 I affirm that the sample represented by this warrant are representative of our parts, have been made to the applicable Production Part Approval Process Manual 4th Edition requirements. I further affirm that these samples were produced at the production rate of 56 nos/-/hours. I also certify that documented evidence of such compliance is on file & available for review. I have noted any deviation from this declaration below.

EXPLANATION/COMMENTS
 Is each Customer Tool properly tagged and numbered? Yes No n/a
 Organization Authorized Signature Anand Nagare 19.02.2024
 Print Name :- MR. Anand Nagare Phone no _ 9158558961 FAX No. _____
 Title Sr. Exec. Quality & Cust. Support E-mail anandms@tii.murugappa.com

FOR CUSTOMER USE ONLY (IF APPLICABLE)

PPAP Warrant Disposition: Approved Rejected Other _____
 Customer Signature _____ Date _____
 Print Name _____ Customer Tracking Number (optional) _____



APPERANCE APPROVAL REPORT



Date : 23.01.2024

Part Name: Fork Pipe Machined(K86)

Model: Honda

Part No.: F1FA01333O

Sr. No.	Components	Mode of Checking	Control Method	Finish Required / Specification	Observation	Remark
1	Fork Pipe Machined(K86)	Visual	Applicaion of antirust oil	No Rust	Ok	Ok
				Dent & Damage	Ok	Ok
				Heavy Scratch Mark	Ok	Ok

P. Palak Shah

Prepared By - Mr. Palak Shah

Anand Nagare

Approved By - Mr. Anand Nagare

Master Sample Identification Card

Part Name	Fork Pipe Machined(K86)
Part Number	F1FA01333O
Rev No. & Date	XB
Date of PSW Approval	
Printing Identification Details	
Sample Identification Details	
Project Reference	
Storage Location	
Validity date	
<u>Approved by</u>	
Supplier- Head Quality	TPI QA
Date 23.01.2024	Date



CHECKING AIDS



Model HONDA

Part Name :- Fork pipe Macined (K86 -A)

Date 16.02.2024

Part No. F1FA013330

Rev. No. XB








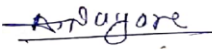
Customer Part No : F1FA013330

Sr. No.	Parameter	Specification	Gauge Type	Availability	Resp.	Target Date	Remark
1	RM OD	30.1 +0.05	Micrometer	Yes	---	---	OK
2	RM ID	24	Vernier Caliper	Yes	---	---	OK
3	Total Length	288.3 ± 0.2	Height Gauge	Yes	---	---	OK
4	Caulking Side OD	28.5	Snap Gauge/ Vernier	Yes	---	---	OK
5	Caulking ID	26.05+0.05	plug gauge/Vernier	Yes	---	---	OK
6	Caulking Side Run Out	0.08	Dial gauge with fixture	Yes	---	---	OK
7	Drilling length	50.50 ± 0.2	Vernier Caliper	Yes	---	---	OK
8	Drill Hole	1.5	plug gauge	Yes	---	---	OK
9	Caulking side surfaceRA	3.2	Roughness Tester	Out side	---	---	OK
10	RM ID RA	0.8	Roughness Tester	Out side	---	---	OK
11	Circularaty	0.01	Micrometer	Yes	---	---	OK
12	Straighness	0.06/200	Dial gauge with fixture	Yes	---	---	OK
13	OD after turning	29.92	Micrometer	Yes	---	---	OK
14	OD turning length	4	Vernier Caliper	Yes	---	---	OK
15	OD turning length	10	Vernier Caliper	Yes	---	---	OK
16	OD turning length	14.72	Vernier Caliper	Yes	---	---	OK
17	Radius	R25.71	Contracer/ Machine Program	Out side	---	---	OK
18	chamfer	0.25X45°	Contracer/ Machine Program	Out side	---	---	OK
19	chamfer	0.5X45°	Contracer/ Machine Program	Out side	---	---	OK
20	Angle	2°	Contracer/ Machine Program	Out side	---	---	OK
21	Roughness	3.2 Ra	Roughness Tester	Out side	---	---	OK
22	Radius	R17	Contracer/ Machine Program	Out side	---	---	OK
23	Chamfer	0.2X45°	Contracer/ Machine Program	Out side	---	---	OK
24	Grove	8	Vernier Caliper	Yes	---	---	OK
25	Drill Raduis OD	29 ± 0.1	Vernier Caliper	Yes	---	---	OK
26	Caulking Bore Depth	46.10 +0.10	plug gauge/Vernier	Yes	---	---	OK
27	Threading Side ID	26.3+0.1	plug gauge	Yes	---	---	OK
28	OD turning length	3	Vernier Caliper	Yes	---	---	OK
29	ID Depth	7±0.2	Depth Plug Gauge/Vernier	Yes	---	---	OK
30	Threading length	20 + 0.1	plug gauge	Yes	---	---	OK
31	Total depth	24+0.2	Vernier Caliper	Yes	---	---	OK
32	Groove Width	10 .0±0.2	Vernier Caliper	Yes	---	---	OK
33	Run out	0.1	Dial gauge with fixture	Yes	---	---	OK
34	Angle	30°	Contracer/ Machine Program	Out side	---	---	OK
35	Angle	30°	Contracer/ Machine Program	Out side	---	---	OK
36	Radius	R6	Contracer/ Machine Program	Out side	---	---	OK
37	Roughness	3.2 Ra	Roughness Tester	Out side	---	---	OK
38	Thread side chamfer angle	0.5X45°	Contracer/ Machine Program	Out side	---	---	OK
39	Dimension	1	Contracer/ Machine Program	Out side	---	---	OK
40	Dimension	1	Contracer/ Machine Program	Out side	---	---	OK
41	Angle	5°	Contracer/ Machine Program	Out side	---	---	OK
42	Threading	M26x1-6H	Threading Gauge	Yes	---	---	OK
46	Threading Side ID	28.2-0.2	Vernier Caliper	Yes	---	---	OK
43	Free From Burr, Dent & Scratch Mark after Machining		Visual	Yes	---	---	OK
44	Apply Rust Preventive Oil		Visual	Yes	---	---	OK

Remark-

Prepared By: Palak Shah

Approved By: Anand Nagare

		PACKING STANDARD																									
Product Name	Fork pipe Macined (K86A)	Product No	F1FA01333O	Model	Honda	Pallet Packing/Trollies Details																					
Customer Name	Endurance Technologies Limited. PLOT NO. E-4,E-21, SANAND PHASE -2 INDUSTRIAL ESTATE SANAND GIDC AHMADABAD		Supplier Name	TUBE INVESTMENTS OF INDIA LIMITED , PLOT NO 45, PK8 SONAL ESTATE,KHODA, SANAND, AHMADABAD		Pallet/Box/Trollies Dim																					
Photograph of Final Packing (One Unit) 			Photograph of Final BIN from WH to ETL 			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">L</td> <td style="width: 33%;">W</td> <td style="width: 33%;">H</td> </tr> <tr> <td style="text-align: center;">590</td> <td style="text-align: center;">390</td> <td style="text-align: center;">70</td> </tr> <tr> <td style="text-align: center;">Weight (Empty)</td> <td colspan="2" style="text-align: center;">1.46 Kg</td> </tr> <tr> <td style="text-align: center;">Weight (Final)</td> <td colspan="2" style="text-align: center;">9.65 Kg</td> </tr> <tr> <td style="text-align: center;">Qty/Package</td> <td colspan="2" style="text-align: center;">15 Nos</td> </tr> <tr> <td colspan="3" style="text-align: center;">Instruction for Transporter etc:</td> </tr> <tr> <td colspan="3" style="height: 40px;"></td> </tr> </table>	L	W	H	590	390	70	Weight (Empty)	1.46 Kg		Weight (Final)	9.65 Kg		Qty/Package	15 Nos		Instruction for Transporter etc:					
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Photos of Different phases of parts packing to be pasted here	1	2	3	4	Final Packaging																						
																											
Special instructions and Remarks:																											
Supplier Approval			Customer (ETPL) Approval																								
Mktg / Production	Dispatch	Quality	Purchase / Sourcing	Stores	SQA/Quality																						
 Palak Shah	Bhupendra.	 Anand Nagare																									



SUPPLIER CONTACTS DETAILS

**REASON FOR SUBMISSION**
 INITIAL SUBMISSION
 ADDRESS CHANGE

 CONTACT NAME CHANGE
 ADD NEW LOCATION

 SUPPLIER NAME CHANGE

Supplier Name:	TUBE INVESTMENTS OF INDIA LIMITED	DATE:	19.02.2024
Address:	PLOT NO 45, PK8 SONAL ESTATE,KHODA, SANAND, AHMADABAD	PIN:	382110

	NAME	CONTACT NUMBERS	ADDRESS
New Project / Marketing Contact	NAME: Mr.Ankit Shrivastav	Phone: 9764949052 Fax: _____	Mailing Address: ankit_s@tii.murugappa.com E-mail Address: _____
Quality Incharge Contact	NAME: Mr.Anand Nagare	Phone: 9158558961 Fax: _____	Mailing Address: anandms@tii.murugappa.com E-mail Address: _____
WH Incharge Contact	NAME: Mr. Palak Shah	Phone: 9049690014 Fax: _____	Mailing Address: palak4025@gmail.com E-mail Address: _____
New Project / Marketing Contact	NAME: _____	Phone: _____ Fax: _____	Mailing Address: _____ E-mail Address: _____
2nd Shift Contact	NAME: _____	Phone: _____ Fax: _____	Mailing Address: _____ E-mail Address: _____
Product Return Contact	NAME: _____	Phone: _____ Fax: _____	Shipping Address: _____ _____
New Project Contact	NAME: _____	Phone: _____ Fax: _____	Mailing Address: _____ E-mail Address: _____

SUPPLIER REPRESENTATIVE SIGNATURE