VE COMMERCIAL VEHICLES LIMITED. (UNIT:EICHER ENGINEERING COMPONENTS;DEWAS)UNIT:-II							CONTROL PLAN				PREV. OPN.         NEXT.           090 - PRE HT INSPECTION         110 - CENTER			1 APPING APO4: 160		
CONTROL PLAN NO: 24101/100							KEY CONTACT PERSON :- S. KOMULWAD				CORE TEAM :- SK, LEVA, SRS, IDS, MM, KUNAL,			REV-01	(DATE-05.10.17 REVISIO	
		EFF DATE		EFF DATE		LOCATION				- N -⇒	SPL.CHAR. (CRITICAL DIMN.)	B EECD	CUSTOMER	- A B		
PROT	ОТУРЕ	1	PRELAUNCH		PRODN		MATERIAL - :					( CRITICAL DIIVIN. )			D E	
	O.E.		-	EXPOR	т		COMP WT	DIN 17210								
PART NO. <b>ED 24101 (1570043 / a)</b>						COMP. WT -: 0.599 Kg.			"X" - 17.0 ± APPLY STOP OFF P							
PART NAME SHAFT, DRIVE (OUTPUT) OPN. NO. 100					MARKING:			(ON THREAD AREA								
CUS	CUSTOMER ROYAL ENFIELD					PRE-WASHING ; PRE-HEATING ;			15 NO. ST. SPLINE 15 NO. ST. SPLINE							
OPERATION * HEAT - TREATMENT							CARBURISING HARDENING:	CARBURISING;								
CELL [OPTIONAL]			M./C. <b>S.Q.F.</b>				POST-WASHING; TEMPERING; SHOT BLASTING;									
FIXTURE		<b>'</b>	FIX. NO.	FIX. NO. TOOL		NO.										
							-		IARK CHAI	RGE		OR REFER	NCE ON	ILY		
	NO. HERE  NO. HERE  1. APPLY STOP OFF PASTE / ANTICARB PASTE IN THE AREA SHOWN " X " (17.0 ±1 mm)								OR REFER	ENOL 9						
							SURFACE HARDNES	SS CORE HARDNE	SS EFFEC	TIVE CASE DEPTH	H MICROSTRUCTURE			THREAD AREA HARDNESS		
							ALL AREA	AT SPLINE R (SPLINE TOO CENTER)	TH (SF	T SPLINE RCD PLINE TOOTH ENTER)	,	AT CASE	AT CORE	AT ROOT 0.2 mm DEPTH (THREAD ROOT DEPTH)		
							80-84 HRA 330-480 HV1			0.6-0.9 mm CUT OFF 513 HV1		FINE TEMPERED MARTENSITE + RA <10% AND FREE FROM CARBIDES GBO<20 micron		300-450 HV1 (AFTER THREADING)		
							NOTE:- 1) GROUND SURFACE :- HARDNESS AT 0.1MM SHALL BE 650 HV1 MIN.									
SR.	CHARACTERIS		ISTICS	SPL CHAR	PRODU		EVALUATION M TECHNIQU	MEASUREMENT JE	S	AMPLING	DECD	CONTROL METHOD	CORR	RECTIVE ACTION /		
NO.	PRODUCT		PROCESS	CLASS	SPECIFICA	TIONS	INSTRUMENT	NO.	SIZE	FREQ	RESP.	CONTROL WETHOD	REACTION PLAN			
1.	EFF. CASE	EFF. CASE DEPTH					MICRO-HARDNESS TESTER		1 PC	PER CHARGE	~ INSPTR.	TESTING	CHECK FURNACE SETTING DATA & CONFIRM FOR CORRECTNESS			
2.	SURFACE H	SURFACE HARDNESS CORE HARDNESS		] ₿	REFER		HARDNESS TESTER		5 PC	PER CHARGE	~ INSPTR.					
3.	CORE HARD				ABO\ TABL	BOVE	MAKDNESS TESTER		1 PC	PER CHARGE	~ INSPTR.					
4.	MICROSTRU	ICROSTRUCTURE					MICROSCOPE		1 PC	PER CHARGE	~ INSPTR.					
5.	HARDNESS ON THREAD AREA "X"			<b>B</b>			HARDNESS TESTER		1 PC	PER CHARGE	~ INSPTR.	]				
6.	SHOT BLAST				FREE FRO		VISUAL		100%	PER CHARGE	~ INSPTR.					
D	RN BY		VIJAY S GIRI	Y S GIRI CH		KD BY R.PATHAK				APRD BY		B.LEVA		PAGE 01 / 02		