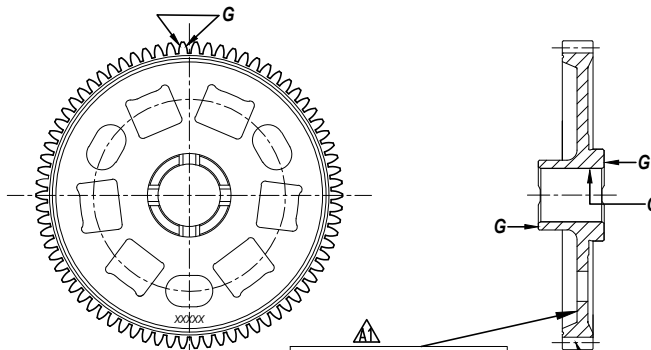


VE COMMERCIAL VEHICLES LIMITED. (UNIT:EICHER ENGINEERING COMPONENTS;DEWAS)UNIT:-II				CONTROL PLAN		PREV. OPN.		NEXT. OPN.		SURFACE FINISH:		DOC. NO. :									
						60 - PRE HT INSPECTION		80 - TEETH CHAMFERING				AP04 : 160 : 20									
CONTROL PLAN NO : 24122 / 070				LOCATION →		REST →→→		CLAMP → N →		SPL CHAR. (CRITICAL DIMN.)		<div style="border: 1px solid black; padding: 2px; display: inline-block;">B</div> EECB									
EFF DATE 06.09.17 EFF DATE EFF DATE PROTOTYPE ✓ PRELAUNCH PRODN O.E. ✓ EXPORT				MATERIAL - : 16MnCr5 COMP. WT - : 1.0 Kg.		<div style="display: flex; justify-content: space-around; align-items: center;">  <div style="border: 1px solid black; padding: 5px; font-size: 10px;"> CHARGE NO. MARKING HERE ENSURE STEEL HEAT CODE & VENDOR CODE ALREADY MARKED IN BLANK STAGE OTHERWISE TO BE MARKED </div> <div style="text-align: center;"> NO OF TEETH :- 74 MODULE :- 2.0 </div> </div>															
PART NO. ED 24122 (1570287) PART NAME GEAR, PRIMARY DRIVEN OPN. NO. 070 CUSTOMER ROYAL ENFIELD OPERATION * HEAT - TREATMENT CELL [OPTIONAL] M./C. M / C NO. [OPTIONAL] S.Q.F.														* HEAT-TREATMENT- : MARKING ; PRE-WASHING ; PRE-HEATING ; CARBURISING ; HARDENING ; POST-WASHING ; TEETH CHAMFERING ; SHOT BLASTING ;							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SURFACE HARDNESS</th> <th>CORE HARDNESS</th> <th colspan="2">* EFFECTIVE CASE DEPTH</th> <th colspan="2">MICROSTRUCTURE</th> </tr> <tr> <th>ALL AREA</th> <th>AT RCD (MIDDLE OF TEETH)</th> <th>UNGROUND AREA</th> <th>AT PCD AFTER GEAR GRINDING</th> <th>CASE</th> <th>CORE</th> </tr> </thead> <tbody> <tr> <td>80 ~ 83 HRA</td> <td>300 ~ 450 HV1</td> <td>0.6 ~ 0.9 mm CUT OFF 513 HV1</td> <td>0.5 ~ 0.8 mm CUT OFF 513 HV1</td> <td>FINE TEMPERED MARTENSITE + RA <10% AND FREE FROM CARBIDES GBO<20 micron</td> <td>LOW CARBON MARTENSITE + BAINITE</td> </tr> </tbody> </table>				SURFACE HARDNESS	CORE HARDNESS	* EFFECTIVE CASE DEPTH		MICROSTRUCTURE		ALL AREA	AT RCD (MIDDLE OF TEETH)	UNGROUND AREA	AT PCD AFTER GEAR GRINDING			CASE	CORE	80 ~ 83 HRA	300 ~ 450 HV1	0.6 ~ 0.9 mm CUT OFF 513 HV1	0.5 ~ 0.8 mm CUT OFF 513 HV1
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				NOTE:- 1) GROUND SURFACE : HARDNESS @ 0.1mm SHALL BE 650 HV MIN.		* PLEASE NOTE, GEAR TEETH WOULD BE FURTHER GROUND.															
SR. NO.	CHARACTERISTICS		SPL CHAR CLASS	PRODUCT SPECIFICATIONS	EVALUATION MEASUREMENT TECHNIQUE		SAMPLING		CONTROL METHOD	CORRECTIVE ACTION / REACTION PLAN											
	PRODUCT	PROCESS			INSTRUMENT	NO.	SIZE	FREQ													
1.	EFF. CASE DEPTH		<div style="border: 1px solid black; padding: 5px; display: inline-block;">B</div>	REFER ABOVE TABLE	MICRO-HARDNESS TESTER	---	1 PC	PER CHARGE	TESTING	CHECK FURNACE SETTING DATA & CONFIRM FOR CORRECTNESS											
2.	SURFACE HARDNESS				HARDNESS TESTER	---	5 PC	PER CHARGE													
3.	CORE HARDNESS					---	1 PC	PER CHARGE													
4.	MICROSTRUCTURE		MICROSCOPE		---	1 PC	PER CHARGE														
5.	SHOT BLAST				VISUAL	---	100%	PER CHARGE													
DRN BY		VIJAY S GIRI		CHKD BY		R.PATHAK		APRD BY		B.LEVA		PAGE 01 / 02									

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