Ro	YAL	ENFIEL	D												Format No:- AP04:460:10R						
							MA	ATERI	IAL LA	BORA	ATORY	/ REP	ORT		1				-		
Repo	rt No	: U2F8	318040	029																	
Part No/Part ID: 2401 / 570205 Part Name										MAIN SHAFT				Date:			2018	2018-04-08			
Qty 1400 Customer:										REML				Batch Code			E2D	E2D18179			
1) Ra	w Ma	terial:	16Mn	Cr5			•							•							
2) He	at Tre	eatmer	it:-Cas	se carl	ourise	d, hard	lened	& tem	pered												
	HARDNESS TRAVERSE GRAPH											2.1 Hardness									
75	750										Location			Specification			Observation				
												SURFACE			58-62 HRC			60-61			
70	700											Machined Area			79 Min. HRA			-			
												Core AT RCD			30-42 HRC			39			
≧ ⁶⁵⁰												(1mm below									
2 00	2 8 900 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5							- P0		RCD)											
The state of										- Se	ries Q				<u> </u>						
55	- 550													e Cas	e Depth @ 513HV						
50	500									Location			Specification			Observation					
															(mm)			(mm)			
0.1 0.2 0.2 0.4 0.5 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.8 1.4 1.5 1.5 1.7 1.5 1.9 2.0										RCD			0.50.0.80			0.67					
Distance in MM										OD			0.50-0.80			0.67					
													0.30 min.			<u></u>					
											Thread Hardness @ 0.2 mm below						337-371				
												RCD		below	VI43U II V IVIAA			337-371			
2 3 H	ardne	ess trav	/ese r	enort								IKOD									
Dista		0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	
nce	0.1	0.2	0.0	0. 1	0.0	0.0	0.,	0.0	0.0	Ι'	1	'	10	1			1	'		2.0	
from																					
surfa																					
ce in																					
mm				-		-	1	+	_			_			<u> </u>	+			┿		
PCD					-											_			+		
RCD	717	694				538	501	+											+		
2.4 M	icros	tructure	 e:					ļ					1		<u> </u>		1				
Location Specification											Obs				ervation						
CASE T.M.+R.A.<10%															+R.A.5-10%						
CORE LCM+BAINITE															M+Bainite						
Dispo	sition	:- AC	CEPT	ED			•														
Rema	arks :-	· OK																			
Checked by :- Dharmendra Rathore							Verif	ied by	:-	Adity	Aditya mishra				Approved by :- Ravindra kale						