GD GER	RDAU-							IDIA P		LIMI'	TED			
TEST CERTI								F/QA-TC/12 Rev. 01						
TC No : 2017/00039847							Quantity	Quantity 12.960 TO			Rolling Input: 160X160 mm			
Customer : PRITI INTERNATIONAL								S.O. No. / Date :						
PROCESS ROUTE :- BF>>BOF>>LRF>>VD>>CCM>>RM								Size :65 Dia			Truck No.: AP04M 9271			
Heat No:- 29567								Product : Rolled Bar			Colour Code: GREEN/BLA			/BLACK
NO OF BUNDLES: NO OF BARS:			Grade :- SAE-8620											
TAS No. : 1952/2017			TDC No :- Isr no.22, Rev 00, dated:28.12.2017					Condition :As Rolled			Reduction Ratio:			
CHEMICAL	COMPOS	ITION						-	•	1			•	
Element	%C	%Mn	%Si	%P	%S	%Cr	%Ni	%Cu	%Mo	%AI	%Pb	%V	%Ti	%Ca
Min.	0.18	0.70	0.20	-	-	0.40	0.40	-	0.15	0.020	-	-	-	-
Max.	0.23	0.90	0.35	0.040	0.040	0.60	0.70	-	0.25	0.040	-	-	-	-
Actual	0.21	0.84	0.23	0.026	0.024	0.52	0.56	-	0.17	0.025	-	-	-	-
OTHER ELEMENTS												GAS LE	VEL	
Element	%B	%Nb	%As	%Sb	%Co	%W	%Bi	4				O ₂ PPM	H ₂ PPM	N ₂ PPI
Min.	-	-	-	-	-	-	-	4			Min	-	-	-
Max.	-	-	-	-	-	-	-				Max	-	-	-
Actual	-	-	-	-	-	-	-	_			Actual	18	1.6	71
MECHANIC	AL PROP	<u>ERTIES</u>				1		7						
			Strength	Yield Strength	UTS	%Elong.	%RA		JOMINY HARDENABILITY (HRC)					
Requirement		·	<u> </u>	(Kg/mm ²)	(Kg/mm ²)				J1.5	J5.0	J10.0	J15.0	J20.0	J30.0
Min.	-	-	-	-	-	-	-	Min.	-	-	-	-	-	-
Max.	240	-	-	-	-	-	-	Max.	-	-	-	-	-	-
Actual	186	-	-	-	-	-	-	Actual	-	-	-	-	-	-
	METALLU	IRGICAL	_ PROPE	RTIES		1 1		INCLUS	ION RATI	NG AS PE	R ASTM E	45 (METH	HOD A)	
	Depth of			Max.	Grain		А		В		С		D	
Require- ment	Decarb (mm) (SAE J419 TYPE (ASTM E			Depth of Surface Defect (mm)	Size (ASTM E 112)		Т	Н	Т	Н	Т	Н	Т	Н
Min.	-	-	-	-	5	Min	-	-	-	-	-	_	-	_
Max.	-	C2R2S2	-	-	8	Max	2.5	1.5	1.5	0.5	1.5	-	1.5	0.5
Actual	-	C1R1S1	-	-	6.5-7.5	Actual	2.0	1.0	1.0		-	_	1.0	-
		1	·		1			1	-	1		I	_	
Spark & Spectral Test:			100% OF		4	Other Te	ests:	100% OK						
Surface Inspection:			100% OK		4	1. MFL:		100% OK			Oil Quenched Core Hardness:			
Ultrasonic Tes	st:		100% OF	4		2. Step Turn:		Found Satisfactory				1	ı	
MPI:			100% OK		1	Blue Fracture: Upset Test:					Min. in HF Actual in		-	-
Remarks	Microstruct	ure : Pearlit	e + Ferrite											
Length of Bar	:- 6000 mm	"We certify that the contents of this report are correct & accurate requirements of the purchase order, technical delivery condit steel requirements & the material certification requirements". material is free from radioactive element.				ons, general								
Corporate Of				ntre. Briga			ex. Malle	eswaram (W	est). Ban					