SILTARA INDUSTRIAL GROWTH CENTRE, RAIPUR (C.G.) Ph.: +91-7721-264241/263, Fax No.: +91-7721-264279/264240

		20		8
No:5M 20	GA/RM/F10 :PB063/2737 :04/01/2018 :30PC5/05 BNDLS :11.280 :RED+YELLOW :AS ROLLED :XL=5-6MTR	771 781 177	0.020.0	0,003010,00041 0,03110.
TEST CERTIFICATE	INVOICE NO TRUCK NO DATE NO OF PCS / BNDL QUANTITY (MT) COLOUR CODE SUPPLY CONDITION MULTIPLE LENGTH	%Pb : %Cu % %Sh : %V :		0,900.0 ,900.0 ,600.0 ;
TEST	:HAPPY FORGINGS LTD. ELS) PD.JUSIANA, LUDHIANA :M805751 :EN353 :75RCS :11.1 :250 X 250 :BF/EDF/LRF/VD/CCM/SEN/M'EMS/AMLC	ZMn XP XS XS1 XCr XN1 XMn XPb XCu3: XSn XV XTI XB XA1	0.200; 1.000; 0.050; 0.050; 0.350; 1.250; 1.500; 0.050;	0.170; 0.910; 0.017; 0.025; 0.210; 1.070; 1.020; 0.100;; 0.009; 0.006; 0.006;0.0030;0.0004; 0.031;0.001
	CUSTOMER SPECIFICATION SPECIFICATION HEAT NO SRADE SECTION(MM) SECTION(MM) SIZE (MM) S	. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.	CUST. MIN : :	ACTUAL : 0.170;

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SPEC. MAX ACTUAL ACTUAL . MECHANICA			
SPEC. MAX ACTUAL ACTUAL . MECHANICA	0.080	0.100	N D
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SPEC. MAX ACTUAL ACTUAL . MECHANICA	,050,	,017;	
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SPEC. MAX		0.200 1.000 0.050 0.050 0.350 1.250 1.500 0.150	0.200; 1.000; 0.050; 0.050; 0.350; 1.250; 1.500; 0.150; 0.150; 0.170; 0.910; 0.017; 0.025; 0.210; 1.070; 1.020; 0.100;	0.91	101	0.0	7 2	0.05	050; 0	0.35	0 0	.07	0 0	. 50	0 0		9 9	ah au 100 . 34	0.009	06	1900.0	- 3	1 8	- 9	1 8	0.006/0.0030/0.0004; 0.031/1	1 8	5	20.0	9 3	3	100 EV 100 EV 100 EV 100 EV
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MECHANICAL PROPERTIES	SPECIFIED	ACTUAL						
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DUCTION AREA %	-							

2. MECHANICAL PROPERTIES	SPECIFIED	ACTUAL					
YS UTS ELONGATIONS(5.655q.rt.A) % REDUCTION AREA % IMPACT VALUE HARDNESS(BHN/HRB/HRC) 3. METALLURGICAL PROPERTIES		180/200 BHN					
MICRO STRUCTURE GRAIN SIZE(ASTM E112/IS:4748) TOTAL DECARB (MM) SAEJ419 INCL RATINGS(ASTM E-45/15:4163)	5/8 	PEARLITE+FERRITE	31				
	Brown of the state	THIN ! THICK! THIN ! THICK! THIN ! THICK! THIN ! THICK	N. H.	Z	Z		
SPECIFIC	SPECIFIC REGUIRMENT , A-2.0/- ;	B-2.0/-	. C-2.0/-		D-2.0/-		
	AETUAL 1.5 1 0.	0.5 ; 0.5 ; 0.0 ;	0.0 0.0 0.0 1.5 0.5	ET)	5.0		,
MACRO ETCH TEST (ASTM E - 381)	C2R2S2 MAX.	BETTER THAN C2R2S2	7252		94		
JOHINY REQUIREMENT HARDENABILITY IS:3848/A255-02	5/16"=36/40 HRC						
DIST-INCH/MM;	1, 5/16";				Man gar	 	
VALUES(HRC);	1 37,00;		the first				1
5. GAS LEVEL(PPM) SPECIFIED MAX GAS LEVEL(PPM) ACHIEVED	. 02: 20.0 . 02: 15.5	NZ: 70-100 NZ: 77.0	H2: 2.0 H2: 1.6				



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100% SPARK/SPECTRAL/MOBILE SPECTRO TEST STEP DOWN TEST UPSET TEST

REMARKS

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100% BAR MPI & UST: DK