

(STEEL PLANT DIVISION)

SILTARA INDUSTRIAL GROWTH CENTRE, RAIPUR (C.G.) Ph.: +91-7721-264241/263, Fax No. : +91-7721-264279/264249

		TEST CERTIFICATE		00	/RM/F10
	D FORGE LTD. PITHAMPUR. DHA DT 25.08.2014 O RF/VD/CCM/SEN/M'EMS/AMLC	INVOICE NO TRUCK NO DATE NO OF PCS / BNDL QUANTITY (MT) COLOUR CODE SUPPLY CONDITION	: :RED+ :AS R	5/2018 BLUE DOT DLLED	NIVI 10
1. CHEMICAL COMPOSITION % (Ladle/		C 1 VM 1 VD 1 VC 1 VC			
		i ; %Mo ; %Pb ; %Cu ; %Sn			,
CUST. MIN ; 0.170; 1.100; SPEC. MAX ; 0.220; 1.400; 0.03	5; 0.035; 0.250; 1.300;	: - : - : - : -	- -	: :	0.020; ; 0.040; ;
ACTUAL ; 0.170; 1.210; 0.01	9: 0.023: 0.220: 1.040: 0.0	20: 0.003: : 0.009: 0.00	5: 0.004:0.00	30:0.0003;	0.030:0.0012:
2. MECHANICAL PROPERTIES		ACTUAL			
YS UTS ELONGATIONS(5.65Sq.rt.A) % REDUCTION AREA % IMPACT VALUE HARDNESS(BHN/HRB/HRC) 3. METALLURGICAL PROPERTIES	: : : :	- - 170/190BHN			
MICRO STRUCTURE GRAIN SIZE(ASTM E112/IS:4748) TOTAL DECARB (MM) SAEJ419 INCL RATINGS(ASTM E-45/IS:4163)	: 6/B :	PEARLITE+FERRITE 6.5/7.5 			
	*	THIN : THICK: THIN : THICK:			
SPECIF10	REQUIRMENT A-2.0/1.0	B-2.0/1.0 ; C-2.0/- ;	D-2.0/1.0		
*	ACTUAL 1.5 0.0	: 0.5 ; 0.0 ; 0.0 ; 0.0 ;	1.5 : 0.0		
MACRO ETCH TEST (ASTM E - 381) 4. D. I. VALUE (J406) JOMINY REQUIREMENT HARDENABILITY IS:3848/A255-02	-	BETTER THAN C2R2S2			
;DIST-INCH/MM; 1/16"; 2/16"; 3/10					!
; VALUES(HRC); 45.00; 43.50; 40.0	00; 36.00; 33.00; 30.00; 29	.00; 28.00; 26.50; 25.00;	1 1	į ;	
5. GAS LEVEL(PPM) SPECIFIED MAX GAS LEVEL(PPM) ACHIEVED	: 02: 20.0 N : 02: 15.7 N	2: 90.0 H2: 2.0 2: 70.0 H2: 1.5	u p		9 a
6. REMARKS	: 100% SPARK/SPECTRAL STEP DOWN TEST UPSET TEST 100%UT AND MPI DK.	/MOBILE SPECTRO TEST :OK :OK :NA			

AUTHORISED SIGNATORY