



JAYASWAL NECO INDUSTRIES LIMITED

(STEEL PLANT DIVISION)

SILTARA INDUSTRIAL GROWTH CENTRE, RAIPUR (C.G.)

Ph.: +91-7721-264241/263, Fax No. : +91-7721-264279/264240

TEST CERTIFICATE

No:SM 7651

CUSTOMER : DHAR AUTOMOTIVES PVT.LTD. PITHAMPUR.DIST-DHAR
SPECIFICATION :
REV No / REF NO :
HEAT NO : M807906
GRADE : EN353
SECTION(MM) : 75 RCS
REDUCTION RATIO : 11.1
INPUT SIZE (MM) : 250 X 250
PROCESS ROUTE : BF/EDF/LRF/VD/CCM/SEN/M'EMS/AMLC

INVOICE NO : 14310
TRUCK NO : MP09HH/9577
DATE : 01/06/2018
NO OF PCS / BNDL : 48PCS/06 BNDLS
QUANTITY (MT) : 11.350
COLOUR CODE : RED+YELLOW
SUPPLY CONDITION : AS ROLLED
MULTIPLE LENGTH : 5-6MTRS

QA/RM/F10

CHEMICAL COMPOSITION % (Ladle/Product)

	%C	%Mn	%P	%S	%Si	%Cr	%Ni	%Mo	%Pb	%Cu	%Sn	%V	%Ti	%B	%Al	%Ca
CUST. MIN	--	0.500	--	--	--	0.750	1.000	0.080	--	--	--	--	--	--	0.020	--
SPEC. MAX	0.200	1.000	0.050	0.050	0.350	1.250	1.500	0.150	--	--	--	--	--	--	0.040	--
ACTUAL	0.187	0.920	0.014	0.025	0.200	1.130	1.000	0.120	--	0.008	0.004	0.004	0.0020	0.0003	0.028	0.0017

MECHANICAL PROPERTIES

SPECIFIED

ACTUAL

TS :
UTS :
ELONGATIONS(5.65Sq.rt.A) % :
REDUCTION AREA % :
IMPACT VALUE :
HARDNESS(BHN/HRB/HRC) :
METALLURGICAL PROPERTIES :

180/200 BHN

MICRO STRUCTURE :
GRAIN SIZE(ASTM E112/IS:4748) :
TOTAL DECARB (MM) SAEJ419 :
NCL RATINGS(ASTM E-45/IS:4163) :

P+F

PEARLITE+FERRITE

5/8

6.5/7.5

--

-

SPECIFIC REQUIREMENT

THIN : THICK : THIN : THICK : THIN : THICK : THIN : THICK :

A-2.0/- : B-2.0/- : C-2.0/- : D-2.0/-

ACTUAL

1.5 : 0.0 : 0.5 : 0.0 : 0.0 : 0.0 : 1.5 : 0.0 :

MACRO ETCH TEST (ASTM E - 381) :

C2R2S2 MAX.

BETTER THAN C2R2S2

P. D. I. VALUE (J406) :

--

COMINY REQUIREMENT :

6/16"=36/40 HRC

HARDENABILITY IS:3848/A255-02 :

DIST-INCH/MM :

6/16"

VALUES(HRC) :

38.00

GAS LEVEL (PPM) SPECIFIED MAX :

O2: 20.0

N2: 70-100

H2: 2.0

GAS LEVEL (PPM) ACHIEVED :

O2: 15.8

N2: 73.0

H2: 1.8

REMARKS :

100% SPARK/SPECTRAL/MOBILE SPECTRO TEST :OK

STEP DOWN TEST

:OK

UPSET TEST

:NA

100% BAR MPI &UST:OK



AUTHORISED SIGNATORY

14:28:04