



SPAN FORGING PVT. LTD.

Manufacturers of : Steel Forging, CNC Turned Components & Gears

Works : Village - Tatarpur (Near Prithla) Teh. Palwal, Distt. Faridabad, Cell : 9810010535

Ref. No.

Date.....

TEST REPORT

Issued to: M/s Nov Sara India Pvt Ltd.
7/1, Pritam Road, Unit-II
Dehradun-248001

Report No.

215

D.O.T.

6/5/2011

D.O.R

5/12/2011

Sample Description

AISI-1008

Sample No.

006020

Heat No.

S-321-A

RESULTS

Chemical Analysis
By Spectrometer

Sample ID

J.O No.

<u>Element</u>	<u>%</u>
Carbon	0.0502
Silicon	0.168
Sulphur	0.0378
Phosphorus	0.024
Manganese	0.362
Nickel	0.0095
Chromium	0.0083
Molybdenum	0.002
Vanadium	0.0015
Copper	0.0011
Tungsten	0
Cobalt	0.0037
Aluminium	0.0216
Titanium	0.001
Iron	99.30

Checked By
Arun Mishra



Autorised Signatory
(Q.M / T.M)

1. The result listed refer only to the tested samples and applicable parameters. Endorsement of product is neither inferred nor implied.
2. Total Liability of our Laboratory is limited to the invoiced amount. No liability will be accepted after the sample is taken back.
3. The report can not be used as an evidence in a court of law.
4. Samples will be destroyed after 15 days.
5. Any Complaints about this report should be communicated within 7 days of issue of this report.
6. This report shall not be reproduced except in full, without the written permission of the Laboratory.
7. *Not Covered under NABL Scope.



SHARU STEELS (P) LTD.

B-48 & D-251, Phase-VII, Focal Point, LUDHIANA - 141 010.
E-mail : info@sharusteels.com & sharusteels@connect2.dsl.net
QUALITY ASSURANCE DEPARTMENT
METALLURGICAL TEST REPORT

F-QCD-01



TEST CERTIFICATE

M/S. NOV SARA INDIA PRIVATE LIMITED (UNIT NO.-II)7/1,PRITAM ROAD, DEHRADUN UTTARAKHAND	T.C. No. 0966 Invoice No. Truck No. HR37A-4847-	Date 17-06-2011
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GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY COND.N.	QNTY. M.T.	NO. OF PCS.
AISI1008	25X35 MM	S-321	L/HT	ORANGE	AS ROLLED	7.745	LOOSE

CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.															
Max.															
Actual	0.10	0.40	0.028	0.034	0.15					0.022					

METALLURGICAL RESULTS

INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A									Aust. Grain Size ASTM No. (E-112)		Gas content (ppm)	
A		B		C		D		Decarb. (MM)	7		O ₂	
T	H	T	H	T	H	T	H				N ₂	
STD MAX												
ACTUAL	1.5		1.0		1.0		1.5					
									Micro-Structure		H ₂	
									OK			

MECHANICAL PROPERTIES

	U.T.S.	Y.S.	EL %	RA %	Impact Value	Hardness B.H.N. / R _c	MACRO	ULTRASONIC TEST	MIX UP TEST
Req.							OK	OK	OK
Actual									

HARDENABILITY (HRC) AS PER IS : 3848

Distance										
Regd.										
Actual										

Remarks :